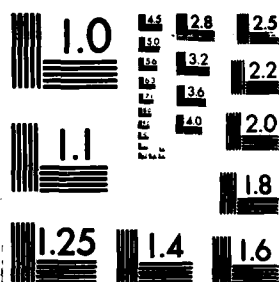


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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 446

STATION: #03855 Pensacola, FL

PERIOD June 1955 - December 1982

JOB NO. 72006

DATE February 1984

**PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801**

**PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Pensacola, FL		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE February 1984
		13. NUMBER OF PAGES 358
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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S/N 0102-LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	WMO NUMBER
03855	Pensacola, Florida	30°21'N	87°19'W	30	KNPA	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Meteorological office spaces	Navy	1956	1971	30°21'N	87°19'W	33	Mercurial	24
2.	" " "	"	1971	1976	"	"	34	"	24
1a.	" " "	"	1964	1976	"	"	35.5	Aneroid	24
2a.	" " "	"	1976		"	"	"	"	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1956	Roof of control tower	UMQ-5C	RD-108B	75'	1. Barograph (marine type) 2. Auto met station (GMQ-29) 3. Ceiling light (ML 121) 4. Cloud height set (GMQ 13) 5. Transmissometer (GMQ 10C) 6. Radar VID Repeater (WSRR-63) 7. Weathervision (GMQ-19A(V)) 8. GOES (Mod 9271 O/H) 9. RATT-68 (FMH 6)

NOCD, Federal Building
Asheville, N.C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

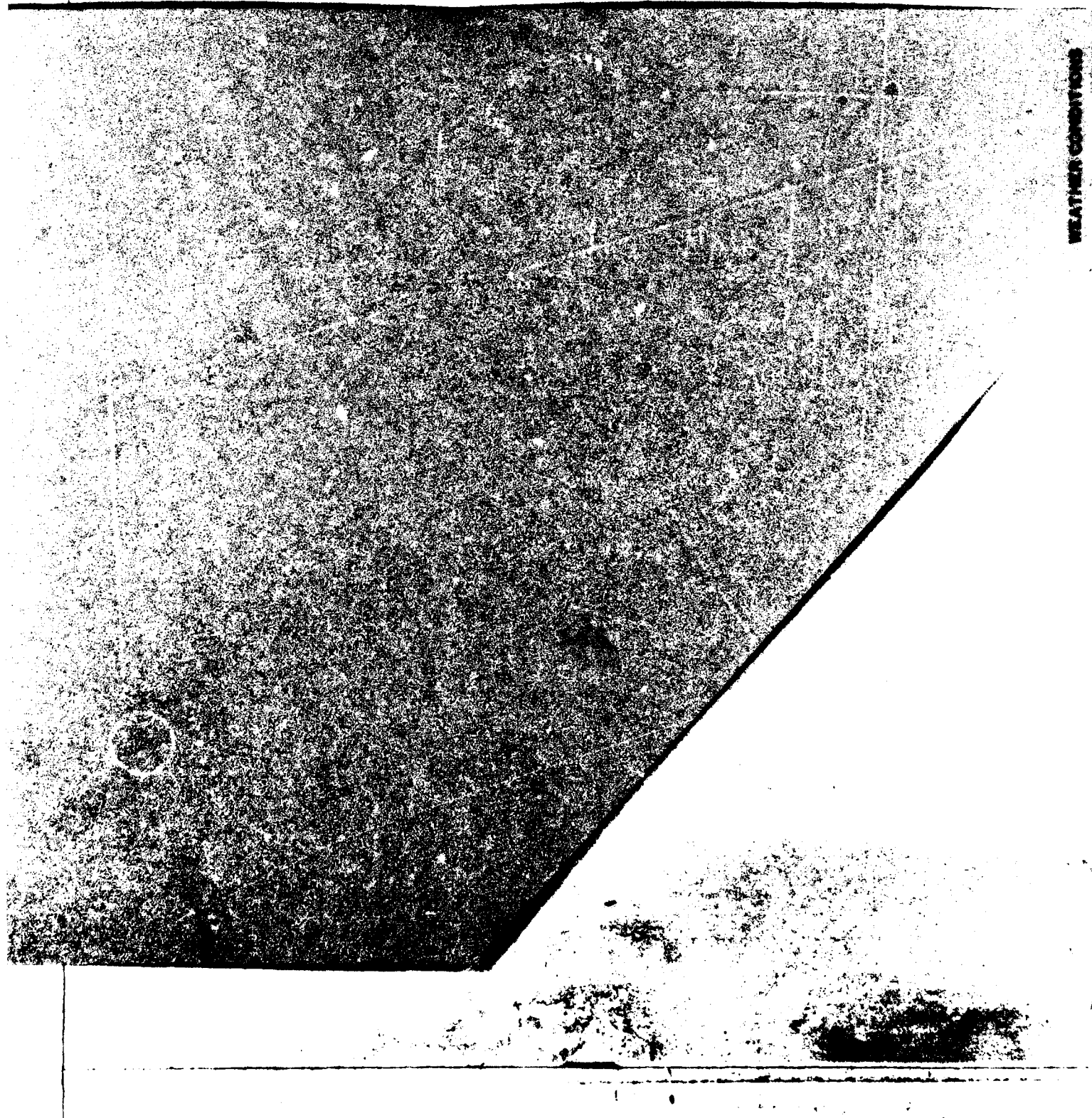
This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCDD), Asheville, N.C. welcomes your comment and criticisms.



WEATHER CONDITIONS



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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

03855

PENSACOLA, FLORIDA

55-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	6.5	44.0	.3	2.0	.1	44.6	56.0	47.6		.1	69.4	744
FEB		9.1	42.9	.1	1.3	.6	43.2	53.4	43.7			64.6	678
MAR		14.4	41.5		.1	.8	41.7	58.5	50.1			69.5	744
APR		11.0	28.5			.3	28.5	57.1	55.0		.1	71.3	720
MAY		19.0	30.5			.3	30.5	48.4	58.5			70.6	773
JUN		29.9	41.9				41.9	36.3	53.3			61.6	750
JUL		47.5	52.9			.3	52.9	35.1	49.0		.1	58.1	775
AUG		40.1	49.4			.3	49.4	41.5	57.2		.3	67.4	775
SEP		23.9	42.4			.4	42.4	42.0	58.3		.1	66.4	711
OCT		7.2	23.9				23.9	43.9	57.2			64.8	775
NOV		6.0	33.3				33.3	51.2	50.4			66.0	750
DEC		6.3	40.3		.3		40.3	52.4	46.8		.1	66.1	775
TOTALS		18.4	39.3	.0	.3	.3	39.4	48.0	52.3		.1	66.3	9009

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WEATHER CONDITIONS

03-75

PENACOLA, FLORIDA

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00	.6	9.0				9.0	27.4	9.7			33.2	310
	03	.3	10.3		.3		10.6	28.4	6.5			31.6	310
	06	1.9	7.4	.3	1.0		8.7	28.4	6.1			31.9	310
	09	.3	7.7				7.7	31.6	19.0			45.6	310
	11	.3	7.1				7.1	18.4	16.1			31.3	310
	15	.3	6.5				6.5	15.8	14.2			27.7	310
	18	.3	11.0				11.0	19.4	16.5			31.3	310
	21	.3	12.3				12.3	23.2	9.4			30.0	310
TOTALS		.5	8.9	.0	.2		9.1	24.1	12.1			32.9	2480

NAYWEASERVCOM

4

WEATHER CONDITION

0345

PELHAMOLA, FLORIDA

73-02

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00	.7	9.2		.4		9.6	22.3	10.3		.4	30.9	28
	01	1.4	8.5				8.5	26.2	11.7		.4	33.7	28
	02	.7	8.5				8.5	31.2	11.3		.7	37.9	28
	03	.7	7.4		.4		7.9	26.2	26.6		.4	41.2	28
	04	1.1	6.7		.4	.4	6.7	12.6	21.3		.4	31.9	28
	05	.7	6.4		.4		6.4	9.9	21.3		.4	28.7	28
	06	2.1	7.4				7.4	15.0	23.8		.4	35.8	28
	07	2.1	9.9		.4		10.3	14.5	10.3		.4	32.7	28
TOTALS		1.2	8.0		.3	.1	8.2	19.7	17.1		.4	33.7	225

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 5 PENSACOLA, FLORIDA 73-02 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00	2.6	9.7				9.7	26.6	13.5			34.5	310
	03	2.9	7.4				7.4	34.8	11.3			40.3	310
	06	2.6	9.4				9.4	42.9	16.1			52.6	310
	09	2.3	7.1				7.1	23.9	27.1			46.6	310
	12	2.9	8.1				6.1	11.0	21.3			30.0	310
	15	.6	7.7				7.7	10.6	19.7		.3	27.7	310
	18	1.9	6.5				6.5	16.5	30.3			40.0	310
	21	1.9	7.7				7.7	20.6	18.7			32.9	310
TOTALS		2.2	8.0				8.0	23.6	19.8		.0	38.1	2460

NAVWEASERVCOM

4

WEATHER CONDITION

03155

PELICOLA, FLORIDA

73-92

1977

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00	1.0	4.0				4.0	13.7	19.0			27.3	300
	03	1.0	5.3				5.0	23.7	19.3			36.0	300
	06	2.3	7.7				7.7	37.3	33.0			54.3	300
	09	1.0	4.7				4.7	10.0	32.3			39.0	300
	12	1.3	6.0				6.0	4.7	23.7			27.3	300
	15	1.3	5.3				5.3	3.7	22.7			25.0	300
	18	.3	5.7				5.7	6.7	27.3			31.7	300
	21	.7	5.3				5.3	7.3	22.3			26.7	300
TOTALS		1.2	5.5				5.5	13.4	25.0			33.4	2400

NAVWEASERVCOM

WEATHER CONDITIONS

03-5

PENACOLA, FLORIDA

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	1.9	4.5				4.5	7.1	21.6			24.5	310
	01	2.6	5.2				5.2	20.6	25.8			35.2	310
	02	1.3	4.2				4.2	34.1	48.4			62.6	310
	03	2.9	6.5				6.5	4.8	34.2			37.7	310
	04	2.3	5.9				5.8	1.3	26.5			27.4	310
	05	2.9	4.6				4.8	2.3	23.5			25.5	310
	06	1.6	3.2				3.2	1.3	27.1			27.7	310
	07	2.3	3.5				3.5	1.9	20.3			21.9	310
TOTALS		2.2	4.7				4.7	9.7	28.4			32.8	2480

NAVWEASERVCOM

WEATHER CONDITIONS

03805

PENSACOLA, FLORIDA

73-92

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	2.7	2.7				2.7	2.3	13.3			15.0	300
	03	3.0	1.7				1.7	6.0	20.0			23.0	300
	06	3.0	4.0				4.0	22.0	50.3			54.7	300
	09	1.0	3.3				3.3	1.0	30.3			30.3	300
	12	1.7	3.7				3.7	1.0	23.3			24.3	300
	15	4.0	5.0				5.0	.7	21.7			22.3	300
	18	4.7	3.7				3.7	.3	16.7			19.0	300
	21	3.7	2.7				2.7		13.3			13.3	300
TOTALS		3.0	3.4				3.4	4.4	23.9			25.2	2400

NAVWEASERVCOM

WEATHER CONDITIONS

034FS

PENACOLA, FLORIDA

73-92

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00	3.5	2.9				2.9	2.6	17.1			18.1	310
	03	5.2	5.5				5.5	9.7	22.6			24.6	310
	06	4.8	7.4				7.4	29.0	49.7			55.2	310
	09	6.8	11.3				11.3	3.9	32.6			35.5	310
	12	6.5	7.7			.3	7.7	2.9	24.2			26.5	310
	15	11.3	9.4				9.4	1.0	23.2			24.2	310
	18	5.8	8.7				8.7	3.2	22.6			25.2	310
	21	3.9	2.6				2.6	1.6	17.4			18.4	310
TOTALS		6.0	6.9			.0	6.9	6.7	26.2			26.5	2480

NAVWEASERVCOM

WEATHER CONDITIONS

0375

PENSACOLA, FLORIDA

73-92

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00	3.2	3.9				3.9	3.5	14.2			15.2	310
	03	4.8	3.2				3.2	10.6	19.4			23.9	310
	06	7.7	7.4				7.4	30.6	43.5			52.6	310
	09	5.8	8.7				8.7	2.3	35.2			37.1	310
	12	4.5	7.1				7.1	.6	23.9			24.5	310
	15	6.8	6.1			.3	6.1	.3	20.6			21.0	310
	18	4.5	4.5				4.5	1.9	22.9			24.2	310
	21	4.8	5.5				5.5	2.9	14.2			15.8	310
TOTALS		5.3	5.2			.0	5.4	6.6	24.2			26.8	2480

NAVWEASERVCOM

WEATHER CONDITIONS

03465

PENACOLA, FLORIDA

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00	2.3	4.0				4.0	4.3	16.7			18.7	300
	03	4.3	5.0				5.0	17.7	24.3			29.3	300
	06	3.7	6.0				6.0	37.0	46.0			57.7	300
	09	2.3	6.7				6.7	6.3	38.0			41.7	300
	12	3.0	8.0				8.0	2.0	23.3			25.3	300
	15	4.3	8.7				8.7	2.0	20.3			22.3	300
	18	4.0	5.0				5.0	3.3	23.7			26.3	300
	21	1.7	6.0				6.0	3.0	12.7			14.7	300
TOTALS		3.2	6.2				6.2	6.5	25.6			29.5	2400

NAVWEASERVCOM

WEATHER CONDITIONS

03015

PENSACOLA, FLORIDA

73-82

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00	.6	1.9				1.9	7.1	10.6			14.8	310
	03		3.5				3.5	14.5	11.6			20.6	310
	06	1.3	6.5				6.5	36.1	31.3			48.4	310
	09	.6	6.1				6.1	9.0	25.2			31.6	310
	12	.6	6.1				6.1	2.9	17.4			19.4	310
	15	.3	3.9				3.9	2.3	12.3			14.2	310
	18		3.9				3.9	3.2	13.9			16.5	310
	21		5.2				3.2	2.9	8.4			10.0	310
TOTALS		.4	4.4				4.4	9.8	16.3			21.9	2480

NAYWEASERVCOM

WEATHER CONDITIONS

03015 PENSACOLA, FLORIDA 73-22 NOV

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00	.7	4.7				4.7	16.0	11.7			25.3	300
	03		6.7				6.7	23.3	10.7			30.0	300
	06	.7	7.3				7.3	33.7	14.3			39.7	300
	09	.3	9.7				9.7	20.3	22.0			38.3	300
	12	1.3	9.0				9.0	10.3	15.3			22.3	300
	15	1.3	6.3				6.3	8.0	14.3			20.0	300
	18		6.7				6.7	9.3	14.7			20.3	300
	21	.3	6.7				6.7	11.0	11.3			19.7	300
TOTALS		.6	7.1				7.1	16.5	14.3			27.0	2400

NAVWEASERVCOM

WEATHER CONDITIONS

03545

PENSACOLA, FLORIDA

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00	1.0	8.7				8.7	19.4	9.7		.3	23.5	310
	03		8.7				8.7	21.4	7.4		.3	23.9	309
	06	1.0	9.7				9.7	20.8	9.7			24.7	308
	09	.6	6.1				6.1	19.4	20.4			33.7	309
	12	.3	7.8				7.8	12.3	15.5			24.6	309
	15		6.5				6.5	9.7	15.5			22.3	309
	18	.3	5.5				5.5	12.0	18.2			26.6	308
	21	.3	6.8				6.8	15.3	13.0			23.7	308
TOTALS		.4	7.5				7.5	16.3	13.7		.1	25.4	2470

NAYWEASERVCOM

WEATHER CONDITIONS

0365 PENSACOLA, FLORIDA 73-82 ALL

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.5	8.9	.0	.2		9.1	24.1	12.1			32.9	2487
FEB		1.2	8.0		.3	.1	8.2	19.7	17.1		.4	33.7	2256
MAR		2.2	8.0				8.0	23.6	19.8		.0	38.1	2487
APR		1.2	5.5				5.5	13.4	25.0			33.4	2400
MAY		2.2	4.7				4.7	9.7	28.4			32.8	2487
JUN		3.0	3.4				3.4	4.4	23.9			25.2	2400
JUL		6.0	6.9			.0	6.9	6.7	26.2			28.5	2487
AUG		5.3	5.9			.0	5.8	6.6	24.2			26.8	2480
SEP		3.2	6.2				6.2	9.5	25.6			29.5	2400
OCT		.4	4.4				4.4	9.8	16.3			21.9	2487
NOV		.6	7.1				7.1	16.5	14.3			27.0	2400
DEC		.4	7.5				7.5	16.3	13.7		.1	25.4	2477
TOTALS		2.2	6.4	.0	.0	.0	6.4	13.4	20.5		.0	29.6	29206

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION PANAMA, FLORIDA STATION NAME JANUARY 1973-DECEMBER 1982 MONTH YEAR HOURS PER YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	CE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.7	.9	1.4	.2	.5	.2		.2	12.7	.9	7.7			77.7
NNE	7.4	.6	3.7						16.5	1.2	11.1			67.9
NE	8.1		1.5		.7				16.9	1.5	11.3			69.1
ENE	11.2		3.6						21.2	3.6	8.0			67.2
E	11.4	.9	1.4					.5	24.9	.9	13.6			55.6
ESE	11.1	1.4	4.1						20.9	.7	16.2			43.2
SE	4.7	.8	1.6						21.5	3.9	15.0			54.3
SSE	5.1	5.0						1.7	35.0	3.3	27.5			43.3
S	6.8	4.0	.6					1.7	34.7	1.1	16.5			46.3
SSW	6.3	4.1	1.4					1.4	34.2	2.7	12.3			52.1
SW	4.4	4.4	1.5					2.9	19.1	6.8	14.7			57.4
WSW	5.6	4.5	6.8					6.4	25.0	6.8	22.7			45.5
W	7.9	2.0							24.5	2.4	7.8			56.7
WNW	3.7	1.3			1.3	1.3		1.3	16.7	1.3	10.3			74.4
NW	3.7	1.5							7.2	2.2	6.7			41.3
NNW	.2	2.1	.8						10.6		3.4			45.6
VARIABLE														
CALM	1.7		1.5						61.0	2.6	14.1			43.6
TOTAL	141	41	39	1	4	2		14	556	47	286			1610
% TOTAL	5.7	1.7	1.6	.0	.2	.1		.6	22.2	1.9	11.5			64.9

TOTAL NUMBER OF OBSERVATIONS 2,487

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1-5
STATION

ORLANDO, FLORIDA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEAR

FEBRUARY
MONTH

ALL
STATION

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7	.6	.3		.3	.6		.6	11.1	1.8	18.2			70.8
NNE	4.0	.7	.7		.7				11.8		16.3			68.7
NE	4.0	1.0	3.1					1.0	13.3	2.0	13.3			67.3
ENE	14.4	2.0			1.0			1.7	17.6	1.0	12.9			63.4
E	15.0	2.5	3.8					2.5	21.4	1.3	17.1			60.6
ESE	15.0	.8	5.8					1.7	25.6	1.7	25.8			45.7
SE	7.0	2.1						1.0	25.7	2.1	20.6			55.7
SSE	2.7	1.7						1.5	21.2	1.9	20.2			58.7
S	4.4	4.8						1.8	19.6	5.4	25.6			50.0
SSW	1.0	1.9						1.8	21.6	1.8	16.2			54.7
SW	1.0	2.7	1.8					1.8	13.5	2.7	14.4			67.6
WSW	4.1	4.1					.3	3.3	21.5		9.9			64.5
W	1.0	.8						.4	12.7	4.8	15.9			69.7
WNW			1.3						1.9		11.4			75.7
NW	2.0	1.8	.9					.9	12.8	3.7	11.0			74.7
NNW	2.0		1.0					.5	11.3	1.9	11.9			77.6
VARIABLE														
CALM	1.1	1.1							11.8	11.8	7.7			44.1
TOTAL	13.0	37	24		3	2	1	27	391	54	369			144
% TOTAL	1.7	1.6	1.1		.1	.1	.0	1.2	17.3	2.4	16.4			63.8

TOTAL NUMBER OF OBSERVATIONS

2,255

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION PENSACOLA, FLORIDA

DATE JANUARY 1973-DECEMBER 1982

MONTH

YEAR

STATION

STATION NAME

YEAR

MONTH

YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE-FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUSS	ALL WEATHER
N	4.6	2.6	.4					2.2	11.7	1.1	6.6			78.7
NNE	7.6	3.8							13.3	1.9	10.5			73.3
NE	11.1	5.5	1.1					5.5	11.0	3.3	8.8			65.0
ENE	9.3	9.3	3.5					4.7	20.9	3.5	18.6			53.5
E	5.5	7.3	5.3					7.3	31.1	.7	17.2			47.0
ESE	4.0	2.6	2.2					2.2	27.8	.9	30.4			45.4
SE	2.6	2.9	.4					1.3	25.5	.8	29.3			46.9
SSE	2.6	2.0						2.0	27.6	2.5	34.5			45.3
S	1.5	1.5	1.5					1.5	23.4	3.6	29.0			50.0
SSW	4.0	1.7						1.7	13.6	2.5	17.8			60.0
SW	.7	3.6	2.2					1.4	21.0	.7	18.1			64.5
WSW	1.0	1.0	1.9						24.0	1.9	15.4		1.0	62.0
W	2.6	.9						1.8	17.0	2.7	15.2			64.0
WNW	2.6	1.4						1.4	15.9	2.9	7.2			73.9
NW	2.6	3.9						2.9	11.5	2.0	14.7			72.0
NNW	2.6	2.5						.8	12.3		6.5			82.0
VARIABLE														
CALM	1.0	1.0	1.0					1.0	52.2	1.0	11.4			31.0
TOTAL	97	75	70					55	537	49	485		1	1461
% TOTAL	1.7	3.0	1.2					2.2	21.7	2.0	19.6		.0	50.5

TOTAL NUMBER OF OBSERVATIONS

1,461

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

749
STATION

MIAMI, FLORIDA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

APRIL
MONTH

ALL
HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	.4						.9	6.7	1.3	6.2			86.2
NNE	5.0	6.8						5.8	15.5	4.9	11.7			64.1
NE	7.0	8.4	1.2					3.6	12.0	6.0	10.8			67.5
ENE	4.5	6.1						3.0	12.1	1.5	22.7			63.6
E	9.9	2.7	1.8					1.8	18.9	.9	21.6			57.7
ESE	4.0	1.1	1.1					1.7	8.3		28.9			60.6
SE	5.7	2.4						1.4	11.4	2.9	41.9			50.5
SSE	2.4	1.4						.5	12.4	1.4	48.6			43.3
S		.9						.6	15.8	.9	36.1			54.4
SSW	1.0	2.7						1.3	12.0	.7	31.5			59.1
SW	.0	3.6						.9	7.9	.9	29.8			63.2
WSW		.9							6.2	.9	17.4			75.2
W		2.9						1.0	6.7		14.3			80.0
WNW									8.5	2.8	7.0			84.5
NW	1.1	1.1							6.8	2.3	9.0			86.4
NNW	1.0	2.2	.7					.7	6.0	.7	5.2			86.6
VARIABLE														
CALM	1.0	2.2	1.1					1.1	22.6	1.0	21.5			52.7
TOTAL	71	3	7					30	276	45	596			1545
% TOTAL	1.0	2.2	.3					1.3	11.5	1.9	24.8			64.4

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME: TAMPA, FLORIDA YEARS: JANUARY 1973-DECEMBER 1982 MONTH: MAY HOURS: ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	2.0						1.0	14.1	4.0	30.2			57.8
NNE	1.1	2.1						1.0	21.9	5.2	27.1			55.0
NE	1.1	2.2						2.2	9.5	7.6	37.0			55.4
ENE	2.0	5.9						3.9	13.7	3.9	27.5			60.8
E	4.5	8.0						5.7	5.7	6.8	28.4			59.1
ESE	3.2	3.5						2.6	5.2		39.1			58.5
SE	2.1	4.5						2.5	2.0	1.0	31.5			62.5
SSE	1.4	2.4						1.4	3.8	.5	27.5			68.0
S	.7	2.4	.3					1.1	4.6	.5	25.8			66.7
SSW	1.0	2.7						3.8	5.4	1.1	23.9			66.8
SW		1.6	.5					1.0	1.6	1.6	30.2			66.7
WSW	1.0	1.2						2.5			19.9			77.6
W		.7	.7					.7	2.4	1.4	23.0			75.0
WNW		7.6						3.6	13.5		21.2			67.3
NW		7.9						5.3	11.8	10.5	23.7			59.2
NNW	.7	1.7	1.7					3.4	10.3	3.4	27.4			59.9
VARIABLE														
CALM	4.0	2.4						1.2	15.9	11.9	32.5			54.7
TOTAL	47	72	5					55	173	67	691			1595
% TOTAL	1.0	2.9	.2					2.2	7.0	2.7	27.9			64.3

TOTAL NUMBER OF OBSERVATIONS 2,450

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 3 S PANAMA, FLORIDA STATION NAME JANUARY 1973-DECEMBER 1982 YEAR JUNE MONTH ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.7	1.1	.5					2.7	2.7	7.7	31.4			63.2
NNE	.7	.9						.9	8.0	4.5	43.8			57.0
NE	1.7							1.7	11.7	5.0	38.3			56.7
ENE	4.2	8.3						12.5	2.1	6.3	33.3			54.2
E	1.7	5.1						5.1		1.3	13.9			75.9
ESE	1.7	11.5						6.6	3.3		21.3			67.2
SE	2.7	3.8						7.5			13.8			75.9
SSE	.7	.7						1.4			10.3			86.9
S	.7							1.5		.3	16.1			80.1
SSW		3.4						2.4	2.0		18.5			76.6
SW		1.6						1.8	.8		23.0			74.6
WSW	.7	.8						1.7	1.7		75.0			72.0
W	1.7	3.1						3.6	1.0	1.5	19.4			73.0
WNW	1.7	2.2						3.3	2.2	3.3	21.7			72.8
NW	4.2	2.7						4.0	5.3	4.0	30.7			56.0
NNW	.7	0.4						5.4	5.4	2.7	58.6			60.7
VARIABLE														
CALM		1.0						1.6	4.3	4.8	27.6			55.0
TOTAL	7.4	15	1					71	59	47	560			1700
% TOTAL	1.6	2.3	.0					3.0	2.5	2.0	23.3			71.2

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

7-15
STATION

NEW ORLEANS, FLORIDA
STATION NAME

JANUARY 1973-DECEMBER 1992
YEAR

JULY
MONTH

ALL
WEATHER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1	5.4						7.8	1.8	7.2	44.0			44.4
NNE	4.5	6.1						7.3	9.6	9.8	36.6			45.1
NE	1.1	5.2						8.1	5.5	6.5	37.1			45.5
ENE	4.2	5.6						6.9	5.6	6.9	36.1			54.1
E	1.4	3.4						6.8	5.7		33.0			57.4
ESE	2.4	6.1						9.8	1.2	1.2	25.6			62.2
SE	5.0	6.0	1.0					5.0	5.0	1.0	15.0			73.0
SSE	2.7	9.1						10.9	1.8		18.2			68.2
S	1.5	3.9						5.3	1.2		19.4			76.4
SSW	4.1	3.0						4.1	2.5		17.8			75.1
SW	1.3	2.7					.4	6.7	2.2		20.4			71.6
WSW	.7	6.3						8.6		.5	17.5			74.9
W	.5	5.4						4.5	5.8	.8	24.8			65.7
WNW	1.5	7.9						6.3	7.9	1.6	34.1			55.1
NW	1.1	5.3						5.3	7.9	.9	30.7			58.8
NNW	.5	3.3						2.5	9.1	.4	33.9			61.2
VARIABLE														
CALM	1.7	1.4						2.5	4.7	1.1	28.2			55.7
TOTAL	4	117	1				1	146	114	53	636			1073
% TOTAL	1.2	4.7	.3				.7	6.0	4.6	2.1	25.6			44.6

TOTAL NUMBER OF OBSERVATIONS

1,427

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION LAKE LOU, FLORIDA

PERIOD JANUARY 1973-DECEMBER 1982

MONTH AUGUST

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING AND DRIFT	NO WEATHER
N	2.1	2.1						5.7	11.9	3.6	37.1			40.6
NNE	1.7	1.7						7.6	17.2	10.2	35.6			52.5
NE	2.1	4.9					.7	4.0	5.6	9.1	38.5			50.1
ENE	2.5	6.6						8.2	8.6		27.9			59.8
E	1.7	4.2						7.7	1.0	1.5	25.3			63.4
ESE	5.3	3.0						3.8	.6		19.7			72.5
SE	.7	4.1						6.2			15.2			79.3
SSE	7.1	1.4						2.1	.7		15.5			80.3
S	1.2	3.2						5.3	1.2		14.6			78.9
SSW	1.7	3.9						5.2	.6		17.3			82.5
SW	1.4	1.4						5.8			17.4			76.1
WSW	.1	2.2						4.1	2.1		21.6			71.1
W	2.3	6.2						5.5	1.4		15.2			73.8
WNW	1.3	9.2						5.3	5.3		25.0			64.5
NW	2.4	5.9						5.9	7.4	4.4	22.1			66.2
NNW	.7	2.8						7.4	1.2	4.6	20.6			55.6
VARIABLE														
CALM	4.7	1.8						1.9	7.0	7.8	21.2			75.4
TOTAL	45	79					1	131	101	63	569			1687
% TOTAL	1.1	4.0					.6	5.3	4.1	2.5	22.9			68.0

TOTAL NUMBER OF OBSERVATIONS 2,490

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1005 STATION NAME PANAMA, FLORIDA YEAR JANUARY 1973-DECEMBER 1982 MONTH SEPTEMBER NO. OF OBS. ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING DUST	BLOWING SAND AND DUST	NO WEATHER
N	2.6	.6						2.1	12.2	5.8	33.0			56.6
NNE	7.7	2.2						1.7	12.8	5.6	40.6			48.7
NE	5.1	.7	1.4					2.2	15.9	7.2	33.3			64.3
ENE	4.5	1.1						.6	6.1	2.8	30.2			63.1
E	6.3	5.5						6.7	5.9	.6	24.8			60.1
ESE	1.7	6.6						2.8	1.9	.9	14.2			75.5
SE	7.2	2.9						7.2	1.4		18.0			69.9
SSE	1.7	9.6						5.1	1.7		13.6			75.1
S	7.1	2.1						3.1	1.0	1.0	19.9			74.1
SSW		4.1						3.1	1.0		12.2			80.6
SW	.1	2.1						5.3	1.1		16.3			76.8
WSW	1.1	4.5						3.0			21.2			71.2
W		2.0						2.5	1.1		23.2			72.7
WNW		1.6						1.6	1.3	1.6	31.3			65.6
NW	1.1							1.5	1.0	3.0	23.9			70.1
NNW	.1							2.7	14.2	2.7	31.1			63.7
VARIABLE														
CALM	4.7	1.4						4.7	11.2	5.6	24.0			51.7
TOTAL	77	49	2					77	166	61	611			1513
% TOTAL	3.0	2.9	.1					3.2	6.9	2.5	25.5			63.1

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION

STATION NAME

DATE

MONTH

YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SAND HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	1.2	.2					.4	1.1	5.6	17.1			70.0
NNE	1.0	1.1	.5					1.0	7.3	8.9	15.1			75.1
NE	1.0								11.5	7.7	19.9			66.7
ENE	1.0	.5							5.9	2.2	11.5			73.4
E	4.7	.7						.7	5.5	1.5	16.4			77.6
ESE	2.4	1.5							2.9	1.5	15.4			79.4
SE	1.0	1.9							5.6	.6	16.1			77.6
SSE	1.4	.9						.4			8.8			87.7
S	4.5	1.5						.8	2.3		14.4			76.0
SSW	1.0	7.1						1.8	1.5	1.8	9.1			78.0
SW	1.0	1.8							1.3		8.8			84.2
WSW	.2							2.2			17.4			73.7
W	1.3	1.2							5.5		17.4			76.7
WNW	4.5	2.3	2.3						13.6		13.6			75.7
NW	1.0								4.0	3.0	11.9			77.6
NNW	1.0	1.0						.5	1.1	3.3	16.7			76.1
VARIABLE														
CALM	1.4								5.4	2.4	11.8			75.7
TOTAL	27	9	3					11	16.2	74	38.7			1479
% TOTAL	1.1	1.2	.1					.4	6.5	3.0	15.6			75.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION: NAVY AFB, FLORIDA YEAR: JANUARY 1973-DECEMBER 1982 MONTH: NOVEMBER ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	CE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.3	.3	1.6					.3	13.3	2.6	12.2			72.7
NNE	.3		1.5						11.2	2.0	12.2			76.5
NE	4.1		.7						17.1	7.8	15.0			67.3
ENE	1.2	.6	1.2						22.9	1.2	14.5			61.4
E	1.9	.7	1.4					.7	17.9	2.5	16.8			68.7
ESE	7.1	1.0	.5						17.5	1.0	25.6			55.5
SE	7.2	1.7						.8	13.3	.8	21.7			64.3
SSE	4.2	.8	.6						9.2	.8	20.5			70.4
S	1.1	3.4	.6					1.1	1.3	.6	18.3			74.9
SSW	5.1	5.1						3.4	15.3	1.7	6.8			72.9
SW	7.7	5.5						2.2	17.4	4.3	15.2			60.0
WSW	7.7	2.6	2.6					2.6	23.7		2.6			73.7
W	1.1	4.3						2.9	27.2	1.4	11.6			60.4
WNW	1.1								11.3	1.9	5.7			70.0
NW	1.1	3.6	.9					1.5	11.7	.9	4.5			78.4
NNW	4.4	.6							5.3	1.1	5.5			83.4
VARIABLE														
CALM			1.9						11.2	1.1	7.7			71.2
TOTAL	11.4	10	22					14	346	50	343			16.0
% TOTAL	5.6	1.3	.9					.6	14.4	2.1	14.2			70.6

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION MIAMI, FLORIDA JANUARY 1973-DECEMBER 1982 DECEMBER ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.2	.2	.7					.2	8.2	.2	1.2			95.1
NNE	5.9	.5	.5						9.6	1.6	15.0			74.9
NE	7.9		.7						11.5	.7	9.4			76.7
ENE	4.1		1.3						10.2	4.0	11.3			76.8
E	10.7	.8	1.0					.4	19.8	1.1	15.6			62.7
ESE	3.7								25.8		34.4			33.5
SE	7.5	.9						.9	27.0		27.8			52.2
SSE	10.0	3.5						1.2	21.2	2.4	29.4			56.5
S	2.5	3.4						2.8	27.0	4.1	15.2			64.1
SSW	11.1	2.2	1.1						22.0	1.1	18.7			63.7
SW	7.2	1.4						1.4	20.4	1.4	13.2			56.4
WSW	5.9	1.7							29.3	1.7	8.6			65.5
W	6.6	4.4						1.1	15.4	2.2	5.5			72.1
WNW	2.7	1.3						1.3	1.0	1.3	6.7			81.7
NW	7.3	3.3	.8						6.6	.8	5.7			43.6
NNW	2.9	.4	.4						6.5		4.5			97.6
VARIABLE														
CALM	2.7	2.9							14.7	5.8	17.6			61.7
TOTAL	142	78	15					11	375	32	326			1791
% TOTAL	5.7	1.1	.6					.4	15.0	1.3	13.2			72.5

TOTAL NUMBER OF OBSERVATIONS 2,470

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME

JANUARY 1973-DECEMBER 1982

ALL

ALL

STATION

STATION NAME

STATION

STATION

STATION

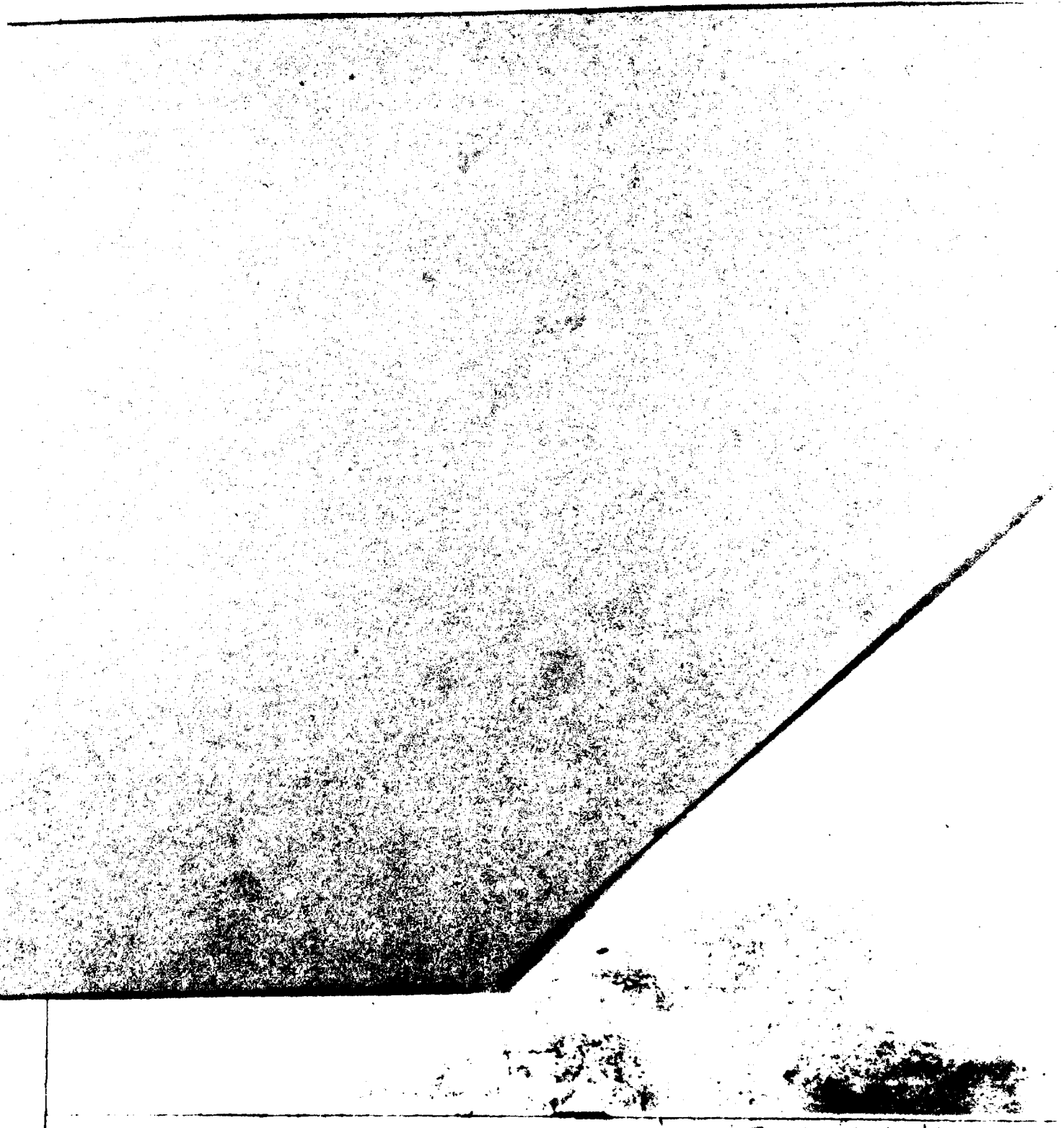
WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOG HAZE	BLUING NOV	RAIN AND HAIL	IN WEATHER
N	.1	1.2	.5	.2	.1	.1		1.5	1.5	3.1	17.7			70.4
NNE	4.4	1.8	.7		.1			1.6	12.2	4.7	21.7			64.6
NE	.6	1.9	.8		.1		.1	2.0	11.8	5.5	21.7			52.1
ENE	.4	2.7	.9		.1			2.3	12.9	2.7	19.4			64.5
E	6.6	3.2	1.3					3.2	14.6	1.5	19.3			62.7
ESE	.6	2.5	1.3					2.0	16.0	.7	25.4			58.6
SE	4.7	2.8	.2					2.5	12.9	1.2	24.1			62.1
SSE	.6	3.1	.1					2.3	17.9	1.0	24.4			44.4
S	.3	2.3	.2					3.1	17.1	1.3	22.1			66.5
SSW	.2	3.7	.1					2.7	9.4	.9	18.7			63.7
SW	1.7	2.5	.2				.1	2.9	7.3	1.1	20.4			69.7
WSW	1.6	3.6	.5				.1	3.2	.3	.6	18.1		.1	73.6
W	.6	3.0	.1					2.4	.6	1.4	17.4			73.0
WNW	.6	2.2	.2		.1	.1		2.4	6.3	1.5	17.5			71.9
NW	.6	2.1	.3					2.1	9.1	2.2	15.8			73.5
NNW	.6	1.6	.4					1.5	6.2	1.6	14.4			76.8
VARIABLE														
CALM	1.1	1.9	.4					1.7	15.3	1.6	22.3			61.1
TOTAL	11.2	7.5	14.9	1	7	4	3	64.4	725.1	64.2	585.6		1	1257
% TOTAL	1.4	2.4	.5	.2	.2	.2	.2	2.2	11.1	2.2	20.1		.0	67.7

TOTAL NUMBER OF OBSERVATIONS

2,256

NAVWEASERVCOM

PRECIPITATION



CO. Federal Building
neville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

is portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of
e following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME
PENSACOLA, FLORIDA

STATION NO.
55-6

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0	11.1	1.0	5.6	7.9	6.7	5.6	4.3	3.0	.5				33.7	277	4.33	12.4	0.0
FEB	97.0	10.2	2.0	3.7	4.2	7.5	4.1	5.9	4.3	.3	.1			32.6	763	4.42	9.1	1.0
MAR	97.5	10.4	3.2	3.6	7.9	3.3	5.0	5.5	4.1	.5		.1		31.7	537	5.05	15.5	0.0
APR	70.0	0.0	1.0	4.0	1.1	2.5	4.0	3.0	4.0	.7				21.2	610	3.87	10.5	0.0
MAY	60.0	7.0	1.0	4.3	2.5	4.7	2.7	3.3	3.0	.7				22.9	577	3.67	9.1	0.0
JUN	50.0	11.0	3.0	7.3	4.0	5.5	6.0	2.5	7.0	1.2	.1			30.1	340	4.67	10.4	.7
JUL	40.0	11.0	2.4	6.5	5.0	7.0	6.0	6.0	5.0	1.5				41.2	868	6.63	13.71	2.0
AUG	40.0	10.1	2.0	7.3	3.6	6.6	7.3	5.5	3.1	.5				40.1	848	5.87	12.41	2.0
SEP	50.0	0.0	7.0	4.6	3.5	5.4	3.0	3.6	4.0	1.5	.4	.1		31.0	940	6.72	10.11	1.0
OCT	70.0	0.0	1.0	3.3	2.4	1.3	2.3	3.9	2.0	.6	.5			19.0	568	3.98	7.3	0.0
NOV	60.0	0.0	1.1	4.0	2.5	3.6	4.0	3.7	3.0	.4				23.3	640	3.20	8.47	0.0
DEC	50.0	10.0	7.0	3.9	4.0	5.1	4.5	4.5	3.0	.5				29.8	268	4.07	8.47	0.0
ANNUAL	50.7	3.0	7.0	4.3	7.4	5.2	4.7	4.6	3.0	.4	.1	.5		29.7	10076	56.44		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION FAIR ACULA, FLORIDA STATION NAME 51-8 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	. .	1. .	. 2											. 2	437	TRACE	. .	
FEB	4. . 7	1. .		. 3										. 7	763	. 1	1. 4	
MAR	20. .	. 2													437	TRACE	TRACE	
APR	20. .	. .													610	TRACE	TRACE	
MAY	1. . .														877	. 0	. .	
JUN	1. . .														640	. 0	. .	
JUL	10. . 7	. 1													508	TRACE	TRACE	
AUG	2. . .														664	. 2	. .	
SEP	1. . .														440	. 0	. .	
OCT	1. . .														664	. 0	. .	
NOV	10. . .														340	. 0	. .	
DEC	10. . 7	. .													665	TRACE	TRACE	
ANNUAL	9. . 7 0										. 1	10170	. 1		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NAME: PANAMA, FLORIDA YEARS: 1951-52

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	0.0	0.1													837			
FEB	0.0	0.1													763			
MAR	0.0														837			
APR	0.0														810			
MAY	0.0														837			
JUN	0.0														840			
JUL	0.0														858			
AUG	0.0														869			
SEP	0.0														840			
OCT	0.0														858			
NOV	0.0														840			
DEC	0.0														868			
ANNUAL	0.0														10076			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME
PENSACOLA, FLORIDA

55-57

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55						1.86	1.63	3.23	.62	2.10	.44	.51	
56	1.65	1.33	2.72	1.34	.77	3.29	1.63	1.24	7.58	2.14	.45	1.79	7.58
57	.21	.73	1.07	2.56	1.55	2.30	1.34	2.11	2.51	1.54	2.10	.51	2.56
58	1.41	1.54	1.99	2.32	.83	1.40	3.45	2.19	2.70	.45	1.47	.46	3.45
59	1.11	.94	1.73	1.91	2.07	3.1	1.33	1.82	6.16	4.65	.79	.68	6.16
60	1.55	2.15	1.25	2.80	2.53	.28	2.53	1.44	4.52	1.46	.68	.43	4.52
61	.42	1.15	1.65	1.42	1.04	5.07	1.27	1.90	.97	.42	1.61	2.45	5.07
62	1.65	.36	.97	.83	.01	.90	1.35	1.62	1.27	1.18	1.32	.92	1.62
63	1.28	1.81	.57	.54	.64	3.40	4.94	1.00	3.54	TRACT	1.66	1.51	4.94
64	3.46	1.70	1.29	4.09	.22	.72	.99	1.91	1.36	7.92	.96	2.99	7.92
65	1.63	2.50	.94	1.28	TRACT	3.49	1.58	1.29	2.64	1.11	.59	1.21	3.49
66	1.17	2.12	.54	1.82	1.24	.75	1.25	4.23	1.30	1.21	.50	2.34	4.23
67	1.82	2.16	.24	1.41	1.51	1.17	.79	4.51	13.45	5.41	.31	2.30	13.45
68	.25	.64	1.33	.47	1.45	1.52	1.80	1.94	1.84	.62	.93	1.34	1.84
69	1.21	1.7	1.41	1.14	3.12	2.80	4.01	3.25	1.33	1.17	.34	1.14	4.01
70	2.48	2.44	1.49	1.91	2.3	3.43	1.84	1.25	1.34	5.42	.50	.86	5.42
71	.52	1.71	.84	.26	.94	1.56	2.69	1.63	1.98	.01	2.53	1.34	2.69
72	1.09	1.22	1.41	.52	2.79	2.33	2.35	1.27	.71	2.69	1.31	3.15	3.15
73	1.39	2.10	1.49	2.72	1.19	1.55	2.87	1.52	3.44	1.30	.52	2.72	3.44
74	.92	.54	1.19	.94	.83	1.14	1.30	2.70	2.79	.80	.79	.54	2.79
75	1.17	1.33	3.27	1.46	1.06	1.80	3.25	1.47	3.51	2.85	2.56	1.11	3.51
76	3.93	.36	2.09	1.07	4.49	1.71	1.63	1.88	2.54	3.51	2.69	1.31	4.49
77	.33	.41	.86	2.67	1.21	.51	1.50	2.70	.94	1.21	1.76	1.39	2.70
78	4.57	1.23	2.29	3.08	4.47	4.39	1.63	3.43	1.16	TRACT	2.02	3.40	4.57
79	1.70	2.16	14.13	2.11	2.43	.42	2.27	1.63	3.64	.27	1.62	.52	14.10
80	2.41	.75	3.12	2.24	1.63	1.67	1.28	1.70	1.88	1.76	1.58	.22	3.12
81	.55	7.18	2.15	.17	2.54	1.41	3.00	.69	1.69	4.35	.28	3.37	7.18
82	.93	4.19	1.16	1.95	.34	4.14	2.65	1.04	.63	1.91	1.37	2.16	4.15
MEAN	1.63	1.75	2.04	1.64	1.63	2.39	2.17	2.80	2.79	2.07	1.22	1.55	4.04
S.D.	1.063	1.434	2.557	.965	1.184	1.354	.977	.972	2.064	1.946	.714	.956	3.019
TOTAL OBS.	437	713	637	817	837	840	868	858	840	868	840	868	10076

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
3-5	PEYACOLA, FLORIDA	55-62

[illegible]**SMOS**

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION PENSACOLA, FLORIDA

55-80

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55						.0	.0	.0	.0	.0	.0	.0	
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	1.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	1.2
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
64	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
67	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
68	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	TRACE	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
79	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	TRACE	TRACE	TRACE	.0	.0	TRACE	.0	.0	.0	.0	.0	TRACE
81	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
82	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN	.00	.00	TRACE	TRACE	.00	.00	TRACE	.00	.00	.00	.00	TRACE	.00
S.D.	.017	.205	.100	.000	.000	.000	.000	.000	.000	.000	.000	.000	.204
TOTAL OBS.	137	763	837	810	737	840	568	868	840	568	840	868	11,576

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
1315	PENSACOLA, FLORIDA	55-67

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION PENSACOLA, FLORIDA YEARS 55-57

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55						0	0	0	0	0	0	0	
56						0	0	0	0	0	0	0	
57						0	0	0	0	0	0	0	
58		1				0	0	0	0	0	0	0	1
59						0	0	0	0	0	0	0	
60						0	0	0	0	0	0	0	
61						0	0	0	0	0	0	0	
62						0	0	0	0	0	0	0	
63						0	0	0	0	0	0	0	
64						0	0	0	0	0	0	0	
65						0	0	0	0	0	0	0	
66						0	0	0	0	0	0	0	
67						0	0	0	0	0	0	0	
68						0	0	0	0	0	0	0	
69						0	0	0	0	0	0	0	
70						0	0	0	0	0	0	0	
71						0	0	0	0	0	0	0	
72						0	0	0	0	0	0	0	
73		TRACE				0	0	0	0	0	0	0	TRACE
74						0	0	0	0	0	0	0	
75						0	0	0	0	0	0	0	
76						0	0	0	0	0	0	0	
77						0	0	0	0	0	0	0	
78	TRACE					0	0	0	0	0	0	0	TRACE
79						0	0	0	0	0	0	0	
80						0	0	0	0	0	0	0	
81						0	0	0	0	0	0	0	
82						0	0	0	0	0	0	0	
MEAN	TRACE	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S.D.	.000	.192	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.192
TOTAL OBS.	537	768	837	810	837	840	868	868	840	868	840	868	10075

SMOS

EXTREME VALUES

STATION

PENSACOLA, FLORIDA
STATION NAME

55-32

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PENSACOLA, FLORIDA

1956-1982

STATION

STATION NAME

YEARS

JANUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.70	43	1979			
2	0.71	18	1977	T	T	1979
3	0.45	11	1982			
4	0.77	20	1972			
5	1.60	41	1962			
6	1.71	43	1964			
7	1.78	45	1979			
8	3.46	88	1964			
9	0.82	21	1962			
10	0.36	9	1975	T	T	1962
11	2.48	63	1970	T	T	1973
12	0.96	24	1982	T	T	1982*
13	0.75	19	1967	T	T	1964
14	2.38	60	1977	T	T	1982
15	0.73	19	1959			
16	0.82	21	1964			
17	1.26	32	1963			
18	1.04	26	1969	0.1	3	1977
19	1.20	30	1963	T	T	1977*
20	1.41	36	1958			
21	1.38	35	1973	T	T	1979
22	1.69	43	1956			
23	1.60	41	1965			
24	4.57	116	1979	T	T	1963
25	1.96	171	1978			
26	3.93	100	1976			
27	0.77	22	1974	T	T	1978
28	0.23	7	1961	T	T	1978
29	0.93	24	1974			
30	2.11	54	1959	T	T	1975*
31	0.82	21	1964	0.1	3	1977
Monthly	4.57	116	1978	0.1	3	1977

FEBRUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.44	62	1970			
2	4.15	105	1982			
3	1.02	26	1972			
4	2.16	55	1960			
5	0.95	24	1971			
6	2.66	68	1967			
7	1.70	43	1971			
8	1.87	47	1969	T	T	1978
9	2.40	61	1973	1.0	25	1973
10	7.58	193	1981	T	T	1973
11	1.80	46	1963			
12	1.71	43	1966	1.2	30	1958
13	0.49	12	1965	T	T	1980
14	1.45	37	1969	T	T	1969
15	1.03	26	1956			
16	1.35	34	1982			
17	0.73	19	1964			
18	1.45	37	1963			
19	0.35	9	1974			
20	0.87	22	1979			
21	1.24	31	1960			
22	1.15	29	1961			
23	1.22	31	1979	T	T	1968
24	1.62	41	1979	T	T	1968
25	0.78	20	1964			
26	1.37	35	1982			
27	1.70	43	1964			
28	2.12	54	1966			
29	T	T	1980*			
30						
31						
Monthly	7.58	193	1981	1.2	30	1958

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PENSACOLA, FLORIDA

1956-1982

STATION

STATION NAME

YEARS

MARCH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.25	32	1980			
2	1.41	36	1972	Y	Y	1981
3	14.10	358	1979			
4	1.41	36	1970			
5	1.47	47	1958			
6	1.09	51	1958			
7	2.79	58	1978			
8	2.02	51	1976			
9	1.60	41	1980			
10	1.33	34	1968			
11	1.72	69	1956			
12	1.34	9	1977			
13	0.64	17	1971			
14	1.78	45	1959			
15	1.10	28	1960			
16	0.09	24	1969			
17	1.41	87	1969			
18	3.27	83	1975			
19	1.12	28	1964			
20	1.06	27	1973			
21	1.07	27	1957			
22	2.15	55	1981			
23	0.65	17	1957	Y	Y	1969
24	1.89	23	1973			
25	0.89	23	1964			
26	2.09	53	1976			
27	1.55	14	1976*			
28	1.28	33	1980			
29	1.12	79	1980			
30	1.44	38	1970			
31	0.97	25	1967			
Monthly	14.10	358	1979	Y	Y	1980*

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.56	65	1957			
2	2.24	57	1980			
3	2.80	71	1960			
4	1.59	40	1980	Y	Y	1980
5	0.86	22	1969			
6	1.82	46	1964			
7	1.36	35	1973			
8	1.05	27	1982			
9	2.39	61	1958			
10	1.91	49	1959			
11	1.91	49	1970			
12	3.08	78	1978			
13	1.54	39	1964			
14	1.48	38	1958			
15	0.67	17	1958			
16	0.17	4	1972			
17	0.48	12	1969			
18	1.82	46	1966			
19	1.23	31	1966			
20	1.50	38	1959			
21	0.42	11	1975			
22	2.67	68	1977			
23	0.51	13	1979			
24	2.11	54	1979			
25	1.28	33	1965			
26	4.09	104	1964			
27	1.13	29	1965			
28	0.80	20	1962			
29	0.47	12	1968			
30	0.92	23	1957	Y	Y	1981
31						
Monthly	4.09	104	1964	Y	Y	1981*

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PENSACOLA, FLORIDA

1955-1982

STATION

STATION NAME

YEARS

MAY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.87	22	1981			
2	0.47	12	1967			
3	0.47	114	1978			
4	0.57	14	1967			
5	0.51	15	1960			
6	0.77	20	1955			
7	0.79	71	1972			
8	0.13	30	1969			
9	1.00	27	1961			
10	0.04	11	1958			
11	0.58	22	1974			
12	0.61	15	1959			
13	0.03	32	1979			
14	0.31	59	1975			
15	0.82	21	1975			
16	0.57	91	1955			
17	0.13	54	1978			
18	1.58	40	1969			
19	2.49	63	1981			
20	0.51	13	1955			
21	0.31	8	1966			
22	1.51	38	1967			
23	0.40	62	1979			
24	0.14	4	1973			
25	0.04	24	1971			
26	2.54	65	1981			
27	4.49	114	1976			
28	1.21	31	1977			
29	2.25	57	1970			
30	0.32	59	1970			
31	1.27	32	1970			
Monthly	4.49	114	1976			

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.41	36	1956			
2	1.61	41	1978			
3	3.43	87	1970			
4	0.11	3	1965			
5	0.82	21	1959			
6	0.42	16	1978			
7	1.44	37	1965			
8	4.39	112	1973			
9	0.49	12	1959			
10	3.99	101	1965			
11	3.01	76	1959			
12	0.90	23	1962			
13	3.99	101	1956			
14	1.36	35	1971			
15	1.27	32	1958			
16	1.08	27	1956			
17	1.56	40	1971			
18	1.67	42	1980			
19	3.40	86	1963			
20	5.07	129	1961			
21	2.40	71	1969			
22	0.58	15	1967			
23	1.00	25	1975			
24	2.67	68	1961			
25	1.27	32	1970			
26	1.40	36	1958			
27	4.14	105	1982			
28	0.85	22	1976			
29	0.75	19	1966			
30	0.16	5	1964			
31						
Monthly	5.07	129	1961			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PENSACOLA, FLORIDA

1955-1982

STATION

STATION NAME

YEARS

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.66	17	1967			
2	1.50	38	1977			
3	3.00	76	1981			
4	2.53	64	1980			
5	0.84	21	1962			
6	0.72	18	1976			
7	1.63	41	1976			
8	3.45	88	1958			
9	1.95	50	1981			
10	1.06	27	1959			
11	1.95	50	1979			
12	1.40	36	1979			
13	1.63	41	1955			
14	1.25	32	1966			
15	0.95	24	1978			
16	1.84	47	1970			
17	2.74	70	1969			
18	1.62	41	1956			
19	1.28	33	1980			
20	1.35	34	1971			
21	1.31	33	1975			
22	1.35	34	1963			
23	2.03	52	1979			
24	4.49	114	1963			
25	1.23	31	1958			
26	4.84	123	1963	T	T	1981
27	1.56	40	1965			
28	1.39	35	1978			
29	2.54	65	1975			
30	3.25	83	1975			
31	1.10	28	1975			
Monthly	4.84	123	1963	T	T	1981

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.24	57	1955			
2	1.62	41	1973			
3	1.60	41	1977			
4	4.23	107	1966			
5	1.09	28	1975			
6	1.34	34	1961			
7	2.70	69	1974			
8	1.76	45	1978			
9	1.91	49	1964			
10	1.61	41	1978			
11	3.63	92	1978			
12	1.44	37	1980			
13	0.49	12	1964			
14	0.98	25	1968			
15	1.70	43	1980			
16	4.51	115	1967			
17	3.05	77	1969			
18	0.86	22	1964			
19	1.94	49	1968			
20	2.70	69	1977			
21	1.62	41	1962			
22	1.27	32	1972			
23	1.31	33	1960			
24	0.90	23	1977			
25	1.53	39	1979			
26	3.20	81	1955			
27	1.25	32	1970			
28	1.88	48	1976			
29	1.21	31	1977			
30	2.11	54	1957			
31	1.64	42	1961			
Monthly	4.51	115	1967			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PENSACOLA, FLORIDA

1955-1982

STATION

STATION NAME

YEARS

SEPTEMBER
MONTH

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	7.44	187	1973			
2	3.55	90	1963			
3	1.60	41	1981			
4	1.65	42	1971			
5	1.99	51	1979			
6	13.48	342	1967			
7	7.79	71	1974			
8	7.54	65	1976			
9	4.52	115	1960			
10	1.04	26	1957			
11	7.79	20	1971			
12	5.83	151	1959			
13	4.16	156	1959			
14	1.39	35	1959			
15	1.68	43	1967			
16	1.84	47	1968			
17	7.97	75	1975			
18	1.04	26	1968			
19	1.65	42	1980			
20	7.11	3	1982			
21	1.01	26	1958			
22	7.51	89	1975			
23	1.49	89	1956			
24	7.58	193	1956			
25	1.27	7	1972			
26	1.21	31	1970			
27	7.51	64	1957			
28	7.52	13	1963			
29	7.64	67	1965			
30	1.36	35	1956			
31						
Monthly	13.48	342	1967			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.18	30	1962			
2	1.30	33	1973*			
3	7.92	201	1964			
4	0.57	14	1968			
5	1.87	47	1975			
6	1.46	37	1965			
7	5.42	138	1970			
8	0.93	24	1970			
9	1.00	25	1977			
10	4.56	118	1959			
11	1.21	31	1977			
12	0.25	6	1970			
13	2.10	53	1955			
14	2.05	52	1950			
15	1.71	26	1957			
16	1.85	47	1975			
17	0.28	7	1967			
18	0.69	18	1970			
19	0.89	23	1970			
20	2.14	54	1956			
21	0.43	11	1956			
22	0.04	1	1972*			
23	0.90	23	1957			
24	0.99	23	1977			
25	4.35	110	1981			
26	0.93	24	1972			
27	2.69	68	1972			
28	1.76	45	1980			
29	1.93	49	1959			
30	5.51	140	1967			
31	0.62	16	1967			
Monthly	7.92	201	1964			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PENSACOLA, FLORIDA 1955-1982 STATION STATION NAME YEARS

NOVEMBER
MONTH

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.62	41	1979			
2	1.37	35	1982			
3	1.27	32	1982			
4	1.40	36	1958			
5	0.67	17	1977			
6	0.49	12	1975			
7	0.81	15	1978			
8	1.32	34	1962			
9	1.76	45	1977			
10	0.31	8	1979			
11	0.57	14	1968			
12	0.56	65	1975			
13	1.31	33	1972			
14	1.61	41	1961			
15	0.85	22	1961			
16	0.55	14	1977			
17	0.60	15	1976			
18	0.03	24	1968			
19	1.11	28	1972			
20	1.18	30	1962			
21	1.09	28	1952			
22	0.00	51	1957			
23	1.15	29	1979			
24	0.98	25	1979			
25	1.28	33	1979			
26	0.72	56	1976			
27	0.62	68	1976			
28	0.53	64	1971			
29	0.46	12	1978			
30	1.03	26	1977			
31						
Monthly	0.60	68	1976			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.30	33	1971			
2	1.34	34	1971			
3	1.34	34	1968			
4	1.82	46	1982			
5	0.84	21	1972			
6	1.14	29	1960			
7	0.36	9	1976*			
8	0.33	8	1967			
9	2.36	60	1966			
10	2.30	58	1967			
11	2.15	55	1982			
12	1.54	39	1961			
13	0.63	16	1979			
14	1.21	31	1965			
15	1.81	46	1961			
16	0.86	22	1970			
17	1.07	27	1966			
18	0.79	20	1965			
19	0.73	19	1965			
20	0.92	23	1971	T	T	1963
21	3.15	80	1972			
22	0.39	10	1968			
23	1.79	45	1956			
24	3.40	86	1978			
25	2.99	76	1964			
26	0.66	17	1973			
27	1.13	29	1967			
28	1.08	27	1968			
29	3.37	86	1981			
30	2.78	71	1973			
31	2.45	62	1961	T	T	1981*
Monthly	3.40	86	1978	T	T	1981*

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

WCH, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NAME: ST. AUGUSTINE, FLORIDA
STATION: 55-31
YEARS: 1951-1967

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5					55-44SW	46SSW	59SSW	49SE	21	42N	39NW	39	70
6		40N	36N	37	37SSW	43SE	45WNW	50NW	70	74N	34W	36WSW	34
7		34S	39E	37N	56WSW	37S	42SE	29N	26SSW	28WSW	36WSW	40N	37
8		43WNW	39SSW	53N	39WNW	3 WNW	34WNW	42WNW	40ENE	48	23SSW	37N	37
9		42N	37WNW	36ENE	34NE	43S	34WSW	39SSW	29SSW	32ENE	47SSW	45NW	37
10		47S	40SSW	34WNW	40N	4 WNW	36NW	33WNW	34SE	40WNW	41WNW	30SSW	47
11		37N	40S	45SE	40WNW	47SW	57SSW	36N	47SSW	33S	30NW	33S	37
12		43WSW	47SSW	51N	38SW	23SSW	35N	42WNW	45W	36SSW	30SW	34N	37
1		47N	50N	37SSW	31WSW	3 WNW	44W	50NE	30ENE	26N	25N	37N	31
2		42N	35WSW	41N	41SSW	37ENE	27S	33SW	26SE	40S	51WSW	36SW	47
3		39SSW	41NW	40SSW	34N	27S	39NW	29N	28E	49E	27WSW	25N	27
4		47WSW	47SSW	32SSW	39SE	33NE	47E	38N	40E	26N	29NW	25SE	37
5		39N	39NW	37N	21N	37WNW	32S	30E	43N	41E	38SW	34NE	47
6		34SSW	34N	37N	33N	24S	34N	36ENE	38SSW	27WSW	28	47	47
7		37ENE	46N	47SE	58WSW	47E	48S	43SE	62NE	35NE	32N	36E	47
8		38S	62E	43N	44SSW	37S	41S	36WNW	30SE	31E	43N	38S	37
9		3427	4017	4837	3315	5735	3731	5117	3420	4377	2711	3409	37
10		3632	3733	4214	3114	4731	6911	4032	3927	4115	4728	4527	44
11		3119	3720	4827	5334	7724	3826	3713	3716	4427	4237	4222	46
12		3421	5727	4124	3317	4727	3127	5133	4217	5939	2833	4232	47
1		5217	3434	4637	3520	4127	4620	3826	3634	5023	4236	3626	39
2		4321	3631	4121	3123	3737	2703	3036	3213	2616	3536	3336	37
3		4321	5627	3732	3517	2725	2514	4711	3839	4007	3418	4602	36
4		4427	3724	3233	2906	3123	3821	3605	3508	2634	2722	2928	31
5		4728	3911	5610	3428	4709	2617	4935	3612	6329	3921	3931	42
6		4734	7734	4717	4924	3125	5007	3514	3212	3934	3301	5201	37
7		3525	4727	4734	2913	3708	5703	3924	2724	3623	3737	3037	37
8		4135	3932	4127	4217	3425	4707	4819	4534	3127	3434	3735	47
MEAN		41.5	41.5	39.7	38.4	40.5	40.6	37.3	40.4	34.9	36.9	38.1	38.0
S.D.		7.317	7.807	6.797	7.117	10.137	10.279	8.495	7.935	13.609	6.868	5.553	5.917
TOTAL OBS.		177	763	237	807	669	639	667	667	643	655	669	10071

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
200	ARMAQUOLA, FLORIDA	55-60

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, FLORIDA STATION NAME 73-02 YEARS JAN
CLASS ALL WEATHER MONTH 90
CONDITION 90 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	7.5	6.1	5.5	.6	.3						11.7	9.7
NNE	.7	2.9	2.3	1.6	.3							7.4	8.4
NE		.3	3.2	1.0								4.5	8.0
ENE		1.3	2.5	.3								4.1	7.5
E	.5	1.4	3.5	.6		.7						6.2	3.3
ESE		1.4	1.3	1.0	.3							4.7	5.2
SE	.3	1.0	1.3	.6								3.2	7.5
SSE	.5	.6	2.6	3.2								6.2	10.8
S		1.1	3.2	2.6								7.1	9.3
SSW		1.0	.4	.6	.3							2.4	10.5
SW	.7	.3	.3	.3								1.3	8.3
WSW	.7		1.0	.6								1.7	9.5
W	1.2	1.4	1.9	1.3		.7						6.1	6.5
WNW	1.1	1.3	.3	1.1								3.0	7.3
NW	.3	2.3	1.6	1.3	.3							5.8	8.7
NNW		1.2	1.3	3.9	1.6	.3						9.4	12.7
VARBL													
CALM												4.2	
	2.5	26.8	33.2	25.5	3.5	1.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 91

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3488 PENSACOLA, FLORIDA STATION NAME 73-32 YEARS JA
NORTH
CLASS ALL WEATHER
HOURS (L.S.T.) 07
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.2	6.5	5.6	2.3							10.7	10.2
NNE	1.0	1.0	3.0	1.3	.6							6.1	5.9
NE	.0	3.2	7.0	1.0								8.4	7.7
ENE	.0	2.3	2.6	1.6								6.5	8.3
E	.0	4.2	4.8	.6								10.0	7.4
ESE	.0	.5		.0	.3							1.6	2.4
SE	.0	1.0	.0	1.6								3.5	6.7
SSE	.0	.6	1.0	1.6								3.5	9.8
S	.3	1.0	1.0	2.0								6.1	9.8
SSW	.0	1.0	.0	.3								2.3	6.4
SW	.0	.6	.6	.3								1.5	6.8
WSW		.0	.3	.3	.3							1.5	11.5
W		1.0	1.6	.6		.0						3.5	9.5
WNW	.0	1.3	.0	.6	.0							3.2	6.6
NW		2.3	1.0	.6	1.3	.6						5.8	11.6
NNW	.0	2.6	3.0	2.3	1.9	.0						11.3	11.1
VARBL													
CALM													
	10.5	29.0	30.6	22.3	7.1	1.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 717

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
3	DE WACOLA, FLORIDA	73-74	JAN
ALL WEATHER			06
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.6	6.5	6.5	1.6	.6						18.7	1.5
NNE	1.0	4.2	2.7	.6	.3							9.7	7.6
NE	.3	2.3	4.2	1.9								8.7	9.4
ENE	1.6	1.6	4.2	1.0								8.4	7.2
E	.7	2.6	4.2	2.6	.3							10.7	9.7
ESE		.7	1.0	1.3								3.7	10.5
SE		1.0	1.0	.6								2.6	9.8
SSE	.3		1.0	.3	.3							1.9	9.7
S	1.0	1.0	1.3	2.3	.3							5.7	9.2
SSW	.6	1.6	1.3									3.7	5.8
SW		.7	1.0			.7						1.0	10.2
WSW	.7		.6									1.0	5.7
W	.3	.6	1.0	.6	.3							2.6	9.4
WNW	.3	.6	1.0	.3	.6	.6						3.7	11.8
NW	1.0	1.3	1.0	1.0	1.3							5.7	7.4
NNW	.7	2.6	1.6	2.6	1.3	.6						9.7	11.4
VARBL													
CALM												4.7	
	2.7	22.6	34.5	21.6	8.1	2.7						100.7	.9

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13.5 PENSACOLA, FLORIDA 73-21 YEARS JAN MONTH 20 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	4.2	6.5	8.1	2.3	.7						21.3	11.0
NNE		1.0	2.0	2.9	.3							8.1	9.7
NE	.4	1.0	1.6	2.6								5.6	9.3
ENE		1.7	4.2	4.2								9.7	10.2
E	.4	1.6	6.1	3.5								11.4	9.1
ESE		1.5	2.9	.6								5.3	8.4
SE	.4	.6		.6								1.6	6.6
SSE	.7	1.6	1.9	1.3	.6							5.2	9.9
S	.7	1.3	1.3	2.6								5.5	9.4
SSW			1.0	.3								1.3	5.5
SW	.7		.6	1.0								1.6	6.7
WSW		.7	.3	.3								1.6	6.3
W	.3	.6	.6	1.6								3.7	6.2
WNW			.7	.6	.3	.7						1.6	11.3
NW		1.7	.3	2.3	.6	1.0						5.5	11.8
NNW	1.0	.6	.6	1.6	2.6							6.6	12.6
VARBL													
CALM												3.5	
	4.7	17.4	31.6	34.2	6.6	1.6						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3-15 STATION PENSACOLA, FLORIDA 73-62 YEARS MONTH JAN 17 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	5.2	6.8	1.9							16.8	12.7
NNE		.3	2.7	1.9								4.5	12.9
NE	.3	.7	1.6	1.3								3.5	7.4
ENE		.7	2.0	1.6								5.0	6.1
E	.3	1.6	4.0	2.9								10.0	7.1
ESE	.3	1.0	4.5	3.2	.6							6.7	11.1
SE	.6	2.3	2.7	1.9								7.7	8.3
SSE	.7	2.6	.6	1.9	.3							6.1	8.5
S	.7	2.6	3.9	1.6	.6							9.7	8.0
SSW		1.0	1.0	.6		.7	.3					3.0	11.5
SW			.7	1.0		.7						1.7	14.7
WSW				1.0		.7						1.7	15.5
W		.7	.3	1.0		.7						2.3	11.4
WNW	.7		1.6	1.0	.3							3.2	12.7
NW		.7		2.3	1.3	.6						4.9	15.3
NNW		1.7	1.3	5.5	2.3	.7						10.5	14.7
VARBL													
CALM												.7	
	3.7	16.0	33.5	35.5	7.4	2.7	.3					110.7	11.6

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

745
STATION

PELACOLA, FLORIDA
STATION NAME

73-72
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	0.3	4.5	5.8	1.9	0.6						15.5	11.8
NNE			1.3	1.6								2.9	11.7
NE		1.3	1.3	1.3								3.9	9.4
ENE			1.3	0.3								1.9	10.0
E	1.0	1.3	7.5	1.9								7.4	7.5
ESE	0.1	1.3	5.1	1.9	0.3							10.0	9.1
SE	1.0	1.3	2.3	1.6	0.6							7.1	9.3
SSE		1.3	2.3	1.6								5.5	8.9
S	1.0	1.3	5.1	1.6	0.6	0.3						12.5	8.4
SSW		1.3	2.3	1.6								5.5	3.5
SW		0.3	2.3	2.3	0.3							5.5	17.8
WSW			0.3	0.6		0.3						1.9	15.0
W		0.3		1.3	0.6	0.3						2.3	15.1
WNW			0.3	1.3	0.3							1.9	13.5
NW	0.3	0.3	1.3	3.5	0.6	0.3						6.5	12.7
NNW	0.3	0.3	2.3	3.2	1.3	0.6						8.7	12.0
VARBL													
CALM												1.3	
	4.5	16.1	36.6	31.6	5.8	2.9						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1245 STATION NAME PENACOLA, FLORIDA YEARS 73-72

CLASS ALL WEATHER

CONDITION

JAN NORTH 10 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	4.0	4.5	4.2	1.8	.7						15.4	6.7
NNE	.3	1.3	1.6	1.6								4.8	6.7
NE		1.7		1.6								3.3	7.3
ENE	.3	1.3	1.7	.6								3.9	7.4
E	1.7	3.8	2.9	1.9								3.7	7.1
ESE	1.0	2.3	1.7	2.3	.3							7.1	8.4
SE	.4	3.5	2.9	.6	.3							7.7	7.3
SSE		.6	1.9	1.7	.3							3.3	9.7
S	1.7	1.3	1.3	1.6								5.5	7.6
SSW		1.7	1.7	.3								2.6	7.4
SW	.7	2.3	1.9	1.0								5.5	7.5
WSW		.6	1.9	.6								3.9	8.4
W	.4	2.6	3.2	1.3	.3	.7						6.4	8.4
WNW	.3	.6	1.9									1.8	8.5
NW	.3	1.0	1.7	.6	.6							3.9	9.8
NNW	.7	2.3	3.4	2.3	1.6							16.4	10.1
VARBL													
CALM												4.5	
	7.1	37.6	31.6	20.6	4.8	.7						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-15 STATION NAME PEN. ACQUA, FLORIDA YEARS 17-18 MONTH 18
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	4.7	5.5	3.7	1.0							10.0	5.8
NNE	.0	2.6	1.7	2.9								7.4	5.5
NE	.0	1.6	1.6	1.0								4.5	7.7
ENE	.0	1.6	2.3	.6								4.0	7.4
E	.0	1.9	2.3	1.9	.7							6.5	5.2
ESE	.0	1.9	1.9	1.6	.3	.7						6.5	17.0
SE	.0	2.3	2.3	1.3	.6							7.1	8.4
SSE	.0	1.3	2.7	1.6	.3							5.5	5.4
S	.0	1.7	1.9	1.3	.3	.7						5.0	10.1
SSW		1.7	.6	.3								2.4	7.7
SW		.0	.3	1.0								2.3	5.7
WSW	.0	.3	.6	1.0	.3							2.0	17.4
W	.0	1.6	.3	1.3		.7						5.5	7.5
WNW	1.7	1.7	1.6		.7							5.0	6.5
NW	1.7	1.7	1.0	1.3	.3	.7						5.0	8.8
NNW	.0	2.6	3.2	1.6	1.9	.6						10.3	11.3
VARBL													
CALM												4.7	
	7.7	29.4	30.0	21.0	5.5	1.0						100.0	.6

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

PORT AUCLA, FLORIDA

STATION NAME

13-42

YEARS

JAN

NORTH

ALL

HOURS (L S T)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	5.0	1.0	.0						14.0	10.0
NNE	.4	1.0	2.0	1.0	.0							5.0	9.0
NE	.2	1.0	2.0	1.0								5.0	8.0
ENE	.0	1.0	2.0	1.0								5.0	8.0
E	.0	2.0	4.0	1.0	.0	.0						5.0	7.0
ESE	.0	1.0	2.0	1.0	.0	.0						5.0	7.0
SE	.0	1.0	1.0	1.0	.0							5.0	6.0
SSE	.0	1.0	1.0	1.0	.0							4.0	6.0
S	.0	1.0	2.0	2.0	.0	.0						7.0	9.0
SSW	.0	1.0	1.0	.0	.0	.0	.0					2.0	6.0
SW	.0	.0	1.0	.0	.0	.0						2.0	6.0
WSW	.0	.0	.0	.0	.0	.0						1.0	6.0
W	.0	1.0	1.0	1.0	.0	.0	.0					4.0	7.0
WNW	.0	.0	.0	.0	.0	.0	.0					2.0	6.0
NW	.0	1.0	.0	1.0	.0	.0						5.0	11.0
NNW	.0	1.0	2.0	2.0	1.0	.0						6.0	11.0
VARBL													
CALM												3.0	
	.0	23.0	32.0	26.0	.0	1.0	.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 4 PAICOLA, FLORIDA 73-10 10
STATION NAME YEARS MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	.6	4.3	1.1							14.5	7.6
NNE		3.2	2.1	1.4	.4							7.8	7.9
NE		2.1	1.1	.7								3.4	7.1
ENE		1.4	2.5	1.4								6.8	7.3
E	.4	1.3	1.4	2.5								5.7	5.1
ESE		.7	1.1	2.1								3.2	11.9
SE		.4	.7	.7	.4							2.1	11.3
SSE	.7	.4	.7	1.8	.4							3.6	7.5
S		1.4	2.5	1.4	.4	.4						6.4	10.7
SSW		.7	2.1	1.4								4.6	6.3
SW	.4	.7	2.5									3.6	7.4
WSW			2.1	2.5								4.6	11.8
W		1.4	3.5	.7	.4	.4						5.4	10.7
WNW	1.4	2.1	1.1	1.4								6.7	6.7
NW	.4	2.5	1.4	.7								5.7	6.3
NNW	1.1	3.2	1.4	3.2	1.8							16.7	10.4
VARBL													
CALM												4.5	
	4.6	26.2	33.0	26.2	4.6	.7						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: MIAMI, FLORIDA YEARS: 1950-51

CLASS: ALL WEATHER

CONDITION:

STATION: MONTH: HOURS (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.1	1.0	4.6	1.1							10.1	7.7
NNE	1.1	2.0	3.0	1.5								6.7	7.0
NE	0.4	2.2	2.5	0.4	0.4							6.7	7.3
ENE	0.4	1.1	1.0	1.8								5.0	6.3
E	0.4	1.4	1.1	1.4								4.7	6.0
ESE		0.4	0.7	2.5	0.4							4.7	10.3
SE	0.4		1.0	0.4								2.1	7.7
SSE	0.4	0.7	1.1	0.4	0.4							2.0	9.1
S	0.4	1.1	1.0	1.4								5.0	6.0
SSW		0.7	0.5	0.7	0.4	0.4						2.0	11.6
SW		1.1	1.4	0.4								2.0	7.4
WSW	0.4	1.0	1.4	1.1	0.4							5.0	6.1
W		0.7	2.0	1.4	1.1							5.0	11.1
WNW	0.4	1.1	1.4	0.4		0.4						3.0	6.6
NW	0.4	1.1	2.5	0.4	0.7							6.0	8.1
NNW	0.7	2.1	2.0	3.0	0.7							10.4	10.0
VARBL													
CALM												4.0	
	1.1	27.3	31.0	23.2	6.3	0.7						10.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 102

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
STATION

STATION NAME
PACIFIC A, FLORIDA

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	7.0	7.2	.4							1.0	7.0
NNE	1.1	2.1	4.7	1.4	.4							2.0	7.0
NE	.0	1.0	6.7	1.1	.4							5.9	7.0
ENE	.0	1.0	7.0	1.0								7.0	7.0
E	.4	7.2	1.4	7.2								7.0	7.0
ESE		.4		1.4	.4							2.1	17.0
SE	.0	1.1	.4	.7	.4							2.0	9.0
SSE		.0		1.4		.0						2.1	17.0
S	.0	.4	2.0	1.1								4.0	8.0
SSW		1.4	1.1	.4								2.0	7.0
SW		.0										.0	5.0
WSW	.0	.4	1.1	.7	.4							3.0	7.0
W	.0	2.0	2.0	1.1								5.7	7.0
WNW		.0	1.1		.7	.0						2.0	17.0
NW	1.1	.7	1.0	2.1	.4							6.0	9.0
NNW	1.1	2.1	2.0	2.5	.7							9.0	7.0
VARBL													
CALM												4.0	
	7.0	21.2	34.0	21.4	7.0	.0						10.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5 ASHEVILLE, FLORIDA YEAR 1961

STATION NORTH

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.0	4.2	5.7	1.1							15.8	11.7
NNE		1.0	1.0	3.9	1.4							6.3	11.7
NE		.7	1.0	1.0								3.7	11.7
ENE	.1	2.1	2.0	2.0								6.2	11.7
E	.1	2.0	3.0	5.7	.4							13.2	11.7
ESE		1.0	1.0	1.0	.4							3.8	11.7
SE	1.1	.7	1.1	1.0								4.9	11.7
SSE	.1	.4	.7	.7	.4							2.5	11.7
S	.1	.4	2.2	1.4		.1						6.2	11.7
SSW	.1		1.0	1.1								3.2	11.7
SW	.1		.7	.7								1.5	11.7
WSW		.1	.7	1.1	.4							2.3	11.7
W	.1	.1	1.1	2.5	.4							4.2	11.7
WNW	.1	1.0	.7		.7	.1						3.6	11.7
NW		.1		3.0	.7	.1						3.9	14.0
NNW	.1	1.0	1.1	3.0	.9							6.1	11.7
VARBL													
CALM												1.1	
	.1	17.3	27.0	37.3	.4	1.1						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 5 1954 ACOLA, FLORIDA 23-12 1954
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	0.1	4.3	1.3	.4						4.0	12.6
NNE		.5	1.4	1.8		.4						5.7	9.7
NE	.4	1.1	.7	1.4								3.5	8.6
ENE	.4	.4	2.6	.7								3.4	4.5
E	.4	.7	2.8	3.6	.7							8.2	11.7
ESE	.4		5.7	2.8								8.2	9.2
SE		1.1	2.0	1.4								5.7	6.2
SSE		0.1	3.0	2.1								8.2	8.7
S	.4	7.2	6.3	2.4	.4							12.1	6.9
SSW	.4		1.3	2.5								4.3	16.3
SW			1.1	3.6	.7	.4						5.7	14.0
WSW		1.1		1.4	.4	.4						3.7	12.4
W		1.1	.7	1.1		1.1						7.0	17.6
WNW		.7	.7	.7	1.1							3.2	12.6
NW		.4	1.0	1.4	1.1	.4						5.7	13.7
NNW		1.1	2.5	4.3	.7							6.6	11.8
VARBL												.4	
CALM													
	2.1	16.7	35.2	35.8	8.7	2.0						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 500

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAV. ACDLA, FLORIDA STATION NAME 73-2 YEARS FEB
STATION ALL WEATHER CLASS 1 MONTH 1
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	3.2	6.4	.4							11.0	11.0
NNE		1.1	1.4	.7								3.2	5.4
NE		.4	1.4	.4								2.1	5.4
ENE				.4								.4	12.7
E	.4	2.1	3.2	.7	.7							7.1	8.8
ESE	.4	1.1	3.2	1.5								6.7	10.7
SE		.7	3.2	1.4								6.7	9.4
SSE	.4	.7	5.4	1.4	.4							8.4	9.7
S		1.1	5.3	2.5	.7							9.4	9.6
SSW	.4	1.1	1.4	5.6								8.4	9.9
SW		.4	3.2	7.8	.7							12.4	12.4
WSW			.7	2.5	1.4	.4						5.3	15.4
W		.4	.7	.7	.7	.4						2.7	13.3
WNW			.4	.7	1.4							2.7	15.4
NW			1.4	1.4	.4	.4						3.2	13.8
NNW		.4	1.4	4.3	2.1							8.4	13.2
VARBL													
CALM													
	1.4	11.3	37.2	40.1	.9	1.1						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: DAYTONA BEACH, FLORIDA YEARS: 73-82

STATION: ALL WEATHER CLASS:

CONDITION:

REF: 10
HOURS (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	5.3	2.8	.7							11.3	6.5
NNE		.7	2.1	.4								3.5	5.1
NE			1.5									1.4	5.6
ENE		.4	.4	1.4								2.1	10.7
E	.7	.7	1.8	.7	.4							4.7	5.3
ESE	.7	1.8	3.5	1.4								7.4	7.7
SE	1.1	1.4	2.1	1.1								6.4	5.7
SSE		.4	2.5	1.4		.4						4.6	10.7
S	.7	2.1	3.5	1.4		.4						8.5	9.7
SSW	.4	1.4	3.9	.7								6.4	7.6
SW	.7	1.4	4.3	1.1								7.4	7.7
WSW	.4	4.3	6.1	1.4								12.1	7.7
W		2.7	1.5	1.1	.4							5.7	5.1
WNW	.4		.7	.7	.4							1.1	11.7
NW		1.1	1.1		.4							2.5	5.9
NNW		2.5	6.1	2.3								11.3	9.9
VARBL													
CALM												2.1	
	6.0	27.4	47.2	18.4	1.1	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 242

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 0 PCNACOLA, FLORIDA 73-02 YEARS FLA
STATION NAME MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	4.3	1.0	4.3	1.1	.4						14.2	9.8
NNE		7.1	2.1	1.8	.4							6.7	9.1
NE	1.1	1.4	.7	.7								4.3	6.7
ENE	.4	.4	1.1	1.4								3.2	7.7
E		1.4	1.0	1.4	.4							5.6	7.5
ESE		.4	.4	1.1								1.8	9.4
SE		.7	2.1	1.4	.4							5.6	10.4
SSE		1.4	1.1	1.8	.4							4.6	9.8
S		1.1	2.1	1.4	.7	.7						7.0	10.9
SSW	.4	1.1	3.0	.7								6.0	8.4
SW		1.8	1.8	.7	.4							4.3	8.6
WSW	.7	1.8	2.1	2.5	.4							7.4	8.6
W	1.1	3.2	2.1	1.1	.4							8.5	6.9
WNW	.7	1.8	1.1	.4								3.0	6.3
NW	.4	2.1	1.1	1.4	.4							5.5	9.7
NNW	.7	2.1	2.5	1.1	1.1							7.4	8.8
VARBL													
CALM												4.5	
	5.7	24.1	30.4	23.0	5.7	1.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3-15 PENACOLA, FLORIDA 73-72 YEAR 1973
STATION NAME CLASS MONTH ALL
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.6	4.7	4.4	1.1	.1						14.4	9.8
NNE	.1	2.0	2.5	1.6	.3	.1						6.7	8.9
NE	.1	1.3	1.9	.8	.1							4.3	8.1
ENE	.2	.7	1.9	1.5								4.5	9.0
E	.4	1.6	2.2	2.3	.3							7.8	9.4
ESE	.2	.3	2.1	2.1	.1							5.3	9.9
SE	.4	.3	1.2	1.1	.1							4.3	8.9
SSE	.2	.1	1.4	1.4	.2	.1						4.6	9.6
S	.1	1.7	3.4	1.7	.3	.1						7.4	9.6
SSW	.2	.3	2.1	1.6	.0	.1						4.0	9.2
SW	.2	.3	1.7	1.9	.2	.1						4.0	10.0
WSW	.1	1.2	1.7	1.6	.4	.1						5.4	10.0
W	.2	1.6	1.9	1.2	.4	.1						5.6	9.8
WNW	.4	1.0	.5	.5	.5	.1						3.1	9.6
NW	.3	1.1	1.4	1.4	.5	.1						4.9	10.3
NNW	.5	1.7	2.8	2.2	1.1							9.7	11.4
VARBL													
CALM												2.7	
	7.1	22.0	34.1	26.3	6.7	1.1						170.0	9.3

TOTAL NUMBER OF OBSERVATIONS 725

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3-5
STATION

DE MACOLA, FLORIDA
STATION NAME

73-72
YEARS

4-11
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	4.0	2.0	.6							13.2	9.6
NNE		1.0	1.0	1.3								4.3	7.6
NE	.3	1.3	1.6	.3								3.5	7.3
ENE		1.6	.3	.6								2.6	7.1
E		1.0	1.0	.6								3.2	6.9
ESE	.3	2.6	1.6	1.6	.3							6.5	8.7
SE	.3	1.6	3.0	1.9	.3	.3						8.1	9.2
SSE	.6	2.3	2.0	1.3								7.1	7.8
S	.3	3.0	4.5	2.3	1.3	.3						12.9	9.9
SSW		1.0	1.0	1.3	.3	.3						4.5	10.2
SW	.3	1.0	1.3	.6				.3				3.9	9.8
WSW	.3	.3	1.0	.6								3.5	8.2
W	1.0	1.0	1.0	1.6		.3						6.1	9.2
WNW	.3	1.3	1.0	.6								3.3	7.1
NW	.3	2.6	.3	1.0	.3	.3						5.0	8.2
NNW	1.3	2.0	1.6	2.3								8.1	8.2
VARBL													
CALM												3.4	
	1.1	31.0	30.3	21.0	5.2	2.3		.3				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-15
STATION

PENACOLA, FLORIDA

STATION NAME

73-02

YEARS

487

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.1	2.4	3.5	.6							17.1	7.5
NNE	.7	1.2	1.3	1.8								5.9	6.9
NE	.4	1.6	1.6									4.5	6.3
ENE	.7	1.7	1.6									2.9	6.6
E	.7	2.6	1.9	1.3	.3							8.4	5.5
ESE	.7	1.7	1.4	2.6								5.9	7.6
SE	.3	1.7	2.3	1.0								5.8	7.4
SSE		1.3	2.6	1.6	.3							5.9	9.6
S	.3	2.4	3.2	1.6	1.3	.7						10.0	9.7
SSW		.3	1.6	.3	.3	.7						2.6	11.4
SW		.3	1.7	2.6								4.6	11.0
WSW	.6	1.7	.3	1.6								2.9	7.6
W	1.7	1.6	3.2	.3								6.5	6.7
WNW		.7	1.3	1.6								3.2	10.5
NW		1.7	1.3	.6	.6	.7						3.9	12.3
NNW	.6	1.3	1.6	.3	.6	.7						5.2	9.4
VARBL													
CALM												4.0	
	10.1	30.0	32.3	14.4	1.2	1.7						170.0	6.1

TOTAL NUMBER OF OBSERVATIONS

487

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-15 PELACOLA, FLORIDA STATION NAME PELACOLA, FLORIDA YEARS 1951-52 MONTH ALL
CLASS ALL WEATHER NORTH 04
CONDITION ALL HOURS (L.S.T.) 00-23

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.2	3.0	3.0		.3						13.0	7.3
NNE	1.0	1.0	2.0	1.0								6.1	7.3
NE		3.0	1.0	1.0	.3							7.4	8.7
ENE	1.0	1.0	1.0	.6								4.0	6.5
E	1.0	3.0	4.0	2.0	.3							6.4	7.4
ESE	.	2.3	2.0	3.0	.6							6.7	9.4
SE	.	1.0	1.0	2.0	.3							6.0	7.3
SSE	.7	1.0	1.0	1.0	.3							5.0	7.9
S	.7	1.0	2.0	1.0	.3							7.1	9.6
SSW	.7	.7	.3	1.0								1.0	9.5
SW		.7	1.0	.3								2.3	9.3
WSW	.3	.6	1.0	.3	.3							2.1	8.3
W	.3	1.0	1.0	1.0	.3							4.0	9.9
WNW	.7	.6	1.0	1.0								4.0	5.8
NW	.7	1.0	2.0	1.0	.6	.7						5.5	9.4
NNW	.7	1.0	.6	1.0								3.0	9.7
VARBL													
CALM												5.0	
	2.0	26.4	30.0	24.8	2.5	.6						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2000 PENSACOLA, FLORIDA 17-00 YEARS 1 NORTH 1

STATION NAME ALL WEATHER CLASS 1 HOURS (L S T) 1

CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 5 STATION NAME CENTAGUA, FLORIDA YEARS 23-24 MONTH 1
CLASS ALL WEATHER HOURS (LST) 1
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.0	3.0	.6							3.7	10.6
NNE		.3	1.0	1.0								3.7	11.0
NE			1.0	.6	.3							2.6	11.3
ENE		.6	3.2	.6								4.5	7.1
E		1.0	1.0	1.0								4.7	10.5
ESE	.3	1.0	4.2	5.8	1.0							12.9	11.4
SE	.3	1.0	7.1	2.9		.3						12.6	8.7
SSE	.3	1.3	5.1	2.3								11.9	9.3
S		1.7	7.1	2.6	1.0							12.3	9.3
SSW		.3	2.3	2.0	.3	.3						6.1	11.0
SW	.3		1.0	2.9	1.3	.3	.3					7.1	14.2
WSW				.7	.3	.3						1.3	16.8
W			.3	.3								.3	12.5
WNW		.3		1.0	.6							1.3	14.7
NW			1.0	1.9	.3	.3						3.5	13.9
NNW			1.3	1.9	1.0	.3						4.5	14.4
VARBL													
CALM												1.0	
	1.3	7.4	45.5	33.4	6.8	1.9	.3					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 214 ACOLA, FLORIDA STATION NAME 214 ACOLA, FLORIDA YEARS 1951-52 MONTH 1
CLASS ALL WEATHER HOURS (LST) 1
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.0	3.7	.6							6.8	11.3
NNE	.1	.3	1.0	.3								1.7	.1
NE				1.7								1.7	11.0
ENE		.1	1.7	.6								2.4	.6
E	.1	1.7	.7	1.3								3.8	.7
ESE		1.0	4.5	5.5	.6	.7						12.0	11.7
SE		1.0	4.5	5.2								11.7	10.7
SSE	.1	.6	4.7	3.7								9.1	9.1
S		2.3	5.1	2.9	1.0	.7						14.0	10.1
SSW		.1	2.0	5.0		.7						9.0	10.7
SW			1.2	5.4	1.3	.7						10.0	12.0
WSW			1.7	1.0	1.3	1.0	.3					5.0	15.0
W			.1	.6	.3							1.0	11.0
WNW				.4	.3							1.0	15.7
NW				1.7	1.7							3.3	15.7
NNW		.7	.6	1.6	1.6	.4						4.0	15.4
VARBL													
CALM												.0	
	1.0	10.0	34.0	41.0	1.1	2.0	.3					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7	5	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60		
STATION		STATION NAME										YEARS										MONTH	
		ALL WEATHER																				1	
		CLASS																				HOURS (LST)	
		CONDITION																					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	2.7	2.6	.3							7.4	8.1
NNE		1.3	1.3									2.6	5.4
NE	.3		1.3	.5								1.8	5.5
ENE	.3	.3		.3	.4							1.3	11.3
E	.3	.3	1.3	1.3	.3							3.5	10.3
ESE	.3	2.3	2.4	2.5	.6							6.4	8.9
SE	1.3	3.5	4.4	2.6	.6		.7					12.3	7.7
SSE	.3	2.4	3.4	2.4								10.3	7.7
S	1.3	3.2	4.5	2.6	.3	.7						11.6	7.2
SSW		1.3	1.3	1.3	.3							3.6	7.6
SW		2.3	4.4	1.3	.7							4.4	7.6
WSW	.3	2.3	4.3	3.5	.6							11.6	7.1
W		.3	2.4	2.3		.7						3.7	11.3
WNW		.3	.5	.3								1.3	10.3
NW		.5	.3	1.3	.3							2.3	11.3
NNW		.3	1.3	1.3		.7						3.7	11.4
VARBL													
CALM												1.3	
	4.5	24.7	37.7	25.1	4.5	1.7	.3					100.1	.1

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION NAME: ASHEVILLE, FLORIDA YEARS: 1951-1952

CLASS: ALL WEATHER

CONDITION:

STATION: NORTH:

HOURE (L.S.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME WII SPE
N	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
NNE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
E	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ESE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
S	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SSW	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SW	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
WSW	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
W	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
WNW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NW	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NNW	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
VARBL												0.0	
CALM												0.0	
	1.0	2.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, FLORIDA YEAR 1961 MONTH ALL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	7.1	3.1	.6	.1						11.0	4.7
NNE	.0	1.0	1.0	1.0	.1							4.0	4.0
NE	.0	1.0	1.0	.0	.1							3.0	4.0
ENE	.0	.0	1.0	.0	.1							3.0	4.0
E	.0	1.0	2.0	1.0	.0							7.0	5.0
ESE	.0	1.0	2.0	3.0	.0	.1						7.0	10.0
SE	.0	1.0	4.0	2.0	.0	.1	.0					9.0	8.0
SSE	.0	1.0	3.0	2.0	.1	.0						8.0	9.0
S	.0	2.0	4.0	2.0	.0	.0						11.0	7.0
SSW	.0	.0	1.0	1.0	.0	.0						4.0	10.0
SW	.0	.0	2.0	2.0	.0	.1	.0	.0				5.0	10.0
WSW	.0	.0	1.0	1.0	.0	.0	.0					4.0	10.0
W	.0	1.0	1.0	1.0	.0	.1						4.0	10.0
WNW	.0	.0	.0	.0	.0	.0						2.0	9.0
NW	.0	1.0	.0	1.0	.0	.0						4.0	11.0
NNW	.0	.0	1.0	1.0	.0	.0						4.0	11.0
VARBL													
CALM												2.0	
	7.0	2.0	34.3	27.8	.0	1.0	.1	.0				10.0	.0

TOTAL NUMBER OF OBSERVATIONS 20

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: DADE COUNTY, FLORIDA YEARS: 1960-1961

STATION: 100 NORTH: 100

CLASS: ALL WEATHER

CONDITION:

MOORE (L.S.T.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	6.7	4.0	1.7								14.8	7.1
NNE	1.7	1.7	1.7	1.7								4.8	6.6
NE	1.7	1.7	1.7									4.8	4.6
ENE	.7	1.7	.7									2.8	5.7
E	.7	1.7	2.7	.3								4.8	6.6
ESE	.7	.7	1.7	.3	.7							3.8	5.6
SE		1.7	4.7	1.7								7.8	9.6
SSE	.7	1.7	2.7	1.7		.7						5.8	9.6
S	1.7	3.7	5.7	6.7	1.7							16.7	9.6
SSW	.7	2.7	2.7	.3								5.8	6.7
SW		.7		.7								1.8	.7
WSW	.7	1.7	2.7	1.7	.3							5.8	6.6
W	.7	2.7	2.7	1.7								5.8	7.6
WNW	.7	2.7	.7	.3								4.8	5.6
NW	.7	1.7	2.7	.7								4.8	6.3
NNW	1.7	2.7	2.7	1.7								7.8	7.1
VARBL													
CALM												6.7	
	14.7	20.7	34.7	14.3	1.7	.7						100.7	7.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-1 PENNACOLA, FLORIDA STATION NAME 72-11 YEARS MONTH 10
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	0.7	0.7	1.0	0.7	0.7						15.0	5.0
NNE	1.0	1.0	2.0	0.7								5.0	6.1
NE	0.7	0.7	2.0	1.0								7.0	7.8
ENE	0.7	1.0	1.0									3.7	5.9
E	1.0	1.0	1.0	0.7								4.0	5.7
ESE	0.7	1.0	1.0	1.0	0.7							5.0	7.4
SE	0.7	0.7	2.0	2.0	0.7							6.0	10.5
SSE	0.7	1.0	1.0	1.0								4.0	7.8
S	1.0	2.0	6.0	3.0								13.0	8.1
SSW	0.7	1.0	1.0	1.0	0.7							5.0	10.2
SW	0.7	0.7	1.0	0.7								2.7	7.3
WSW			1.0	0.7								1.0	10.6
W		1.0	1.0	0.7								4.0	7.4
WNW	0.7	1.0	0.7	0.7								3.0	6.7
NW	1.0	1.0	1.0	0.7	0.7	0.7						5.0	8.3
NNW	1.0	4.0	1.0	0.7	0.7							7.0	6.0
VARBL													
CALM												4.0	
	10.0	30.0	30.0	16.0	7.0	0.7						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-1 PELLAGLIA, FLORIDA STATION NAME 77-10 YEARS APR
MONTH 1
HOURS (L.S.T.) 1
CLASS ILL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	4.0	1.3	0.0	0.0						13.0	7.6
NNE	0.0	4.0	7.0	0.0								10.7	5.4
NE		4.0	7.0	0.0								6.7	7.1
ENE	1.0	2.0	2.0	1.3								6.3	7.3
E	0.0	1.0	2.0	1.3								5.7	7.6
ESE			4.0	2.3	0.0							7.7	11.7
SE		2.0	2.0	2.3	0.0							8.0	9.2
SSE	0.0	1.0	0.0	2.3	0.0	0.0						5.0	11.1
S	1.0	1.0	3.0	1.7	0.0							6.0	8.7
SSW	0.0		1.0	1.7	0.0	0.0						3.0	10.0
SW		0.0	0.0	0.0								1.0	9.7
WSW		0.0	0.0	0.0								1.0	9.4
W	0.0		0.0	0.0	0.0							1.0	10.0
WNW	0.0	1.0	1.0	1.0								4.0	7.8
NW	0.0	2.0	0.0	0.0								4.0	7.2
NNW	0.0	2.0	2.0	0.0	0.0							5.0	7.5
VARBL													
CALM												7.0	
	9.3	29.0	30.7	19.3	3.3	1.0						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

PEWEE, FLORIDA

STATION NAME

70-72

YEARS

APR

MONT

ALL WEATHER

CLASS

19

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	15 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	.3	1.3	2.3	2.3	.3							5.3	13.4
NNE	.3	.3	2.3	2.3								5.3	3.7
NE	.3	1.3	2.3	1.7								5.3	8.6
ENE		.3	3.3	3.3								7.3	13.3
E	.3	3.3	5.3	4.3	.3							13.3	9.1
ESE		1.3	4.3	3.7	.3							11.3	10.5
SE		1.3	2.3	4.7	1.3							9.3	12.0
SSE	.3	1.3	3.3	3.3								8.3	9.6
S	.3	2.3	5.3	1.7	.3							9.3	9.1
SSW		.3	2.3	.3	.7		.3					4.3	12.6
SW	.3		.3	1.3								1.7	9.8
WSW				1.3	.3							1.3	14.0
W		.3	.3	1.3								2.3	10.3
WNW		.3	.3	.7		1.3						2.7	14.3
NW	.3		1.3	1.3	.7							3.3	11.0
NNW	.3	2.3	1.7	1.7	1.3							5.3	10.1
VARBL													
CALM													
	7.3	15.3	39.7	33.3	6.0	1.3	.3					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

APR

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.7	3.3	1.7							1.7	12.4
NNE		.7	1.7	.7								2.7	1.7
NE		.7	.7	.7								1.3	3.3
ENE		1.7	.3									1.3	6.5
E		1.7	.7	1.7								2.7	3.3
ESE	.7	.7	5.7	2.3	.3							15.3	10.9
SE		.7	5.7	6.3	1.3							17.3	11.4
SSE	.3	1.7	6.3	4.0	.3	.7						12.3	10.4
S		.7	11.7	5.3	.7							18.3	10.1
SSW			2.7	5.0			.7					8.7	12.3
SW			.7	2.3	1.3							4.3	14.2
WSW		.7		1.0	.7	.7						2.3	15.6
W			.7	.3	.3							1.3	13.3
WNW		.3	.3	.7		.7						1.7	12.4
NW			.7	1.3	1.3							3.3	15.4
NNW		.7	2.7	2.3								5.3	10.6
VARBL													
CALM												1.0	
	.7	1.7	40.3	42.7	7.3	1.0	.3					170.0	11.2

TOTAL NUMBER OF OBSERVATIONS

7.5

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 345 PENACOLA, FLORIDA YEARS: 73-77

CLASS: ALL WEATHER

CONDITION:

APPROXIMATE MONTH: 10

HOURS (L.S.T.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.3	2.7	.3							5.7	10.5
NNE			.7	.3								1.0	10.7
NE				1.7								1.7	11.7
ENE	.7		.7									1.0	7.7
E	.7	.3	.7	.3								1.7	7.5
ESE	.7	.7	2.7	2.7	.3							6.7	10.3
SE		.7	3.7	4.7	1.7							9.3	12.4
SSE	.7	.3	7.7	3.7								12.3	7.9
S	.7	7.7	12.7	5.2	1.7		.3					22.3	9.3
SSW		1.7	2.3	7.3	.7	.7						11.7	12.1
SW		.7	2.7	4.3	.7							12.3	12.7
WSW			.7	2.3	2.7	.7						5.3	15.9
W			.7	1.7	1.7							1.7	16.3
WNW				1.7		.7						2.7	16.3
NW			.7	1.7	.7							3.7	14.7
NNW	.7		1.7	1.7	.7							4.7	11.7
VARBL													
CALM												.3	
	2.3	7.3	37.3	43.3	3.3	1.7	.3					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3 45
STATION

PENSACOLA, FLORIDA
STATION NAME

73-82
YEARS

AP
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	4.7	2.7								8.0	9.7
NNE		.7	.7	.3								1.3	6.0
NE				.7								.3	15.0
ENE		.7										.3	4.0
E	.7	.3	1.3	1.0								3.0	7.8
ESE		1.0	1.3	2.7								5.3	10.2
SE	.3	1.0	2.7	2.3	1.0							7.3	10.8
SSE	1.3	3.0	4.7	3.7								12.7	8.5
S	.7	4.3	7.7	.3	.3							13.3	7.4
SSW	1.7	1.3	4.3	.3	.3							7.7	7.3
SW		3.7	6.0	1.3		.7						11.7	7.5
WSW	1.0	3.0	5.7	3.3	.3							13.3	8.7
W	.7	1.3	3.7	2.3								8.7	9.0
WNW		.7	.3	.7								1.3	9.3
NW			.7	1.0								1.7	11.6
NNW			5.0	.7	.3							3.7	10.4
VARBL													
CALM												2.0	
	6.0	21.0	45.3	23.0	2.3	.3						100.7	8.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3 5 STATION NAME P. L. ADOLLA, FLORIDA YEARS 73-74 MONTH 71 HOURS (L.S.T.) 71

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	7.0	7.3	1.7								9.1	7.0
NNE	.7	1.7	1.7	.3								3.7	6.8
NE		.7	.3									1.0	5.0
ENE			.7									.7	7.0
E	.7		1.7	.3								2.7	7.0
ESE	1.7	1.7	1.7	1.7	.3							4.7	6.1
SE	.7	1.7	7.0	4.0	.7							9.7	15.1
SSE		1.7	6.3	2.3								10.7	5.3
S	1.7	7.0	6.3	2.7	.3							15.7	8.3
SSW	.7	1.7	2.7	.3								4.7	7.1
SW	.7	.7	1.7	.7	.3							3.3	.7
WSW		1.7	7.0	1.7		.7						1.7	.1
W	1.7	7.0	3.7	1.3								11.7	.4
WNW	.7	2.7	1.7	.7								4.7	6.5
NW	1.7	.7	1.3	.7	.3							3.7	7.3
NNW	.7	1.7	1.7	1.3								5.7	7.6
VARBL													
CALM												7.7	
	10.0	25.7	37.0	18.0	1.7	.3						100.7	7.4

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 000000, FLORIDA

73-74

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L S Y)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	0.0	0.0	1.0	.3	.0						0.4	0.0
NNE	.0	1.2	1.0	.7								4.7	0.0
NE	.0	1.4	1.0	.7								3.0	7.0
ENE	.0	.0	1.0	.0								2.0	7.0
E	.0	1.1	1.0	1.1	.0							4.0	8.1
ESE	.0	.0	0.0	0.0	.3							7.0	10.0
SE	.0	1.1	0.0	0.0	.7							8.7	10.0
SSE	.0	1.0	4.0	2.0	.1	.1						8.0	6.0
S	.0	0.0	7.0	0.0	.5		.0					14.0	0.0
SSW	.0	.0	0.0	0.1	.0	.1	.1					1.0	10.0
SW	.1	.0	1.0	2.0	.3	.0						4.0	10.0
WSW	.0	.0	1.0	1.4	.5	.1						4.0	10.0
W	.0	1.0	1.0	.9	.2							4.0	0.0
WNW	.0	1.0	.0	.7		.0						0.0	0.0
NW	.0	.0	1.0	.9	.5	.0						3.0	0.0
NNW	.0	1.0	1.0	1.0	.4							0.0	0.0
VARBL													
CALM												2.0	
	7.1	20.0	37.0	26.0	4.2	.0	.1					100.0	0.9

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, FLORIDA YEARS: 1950-51 MONTH: NOV
STATION: ASHEVILLE, FLORIDA CLASS: ALL WEATHER HOURS (L.S.T.): 00
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	7.7	0.3								10.0	5.0
NNE	1.7	1.7	1.7									5.0	0.3
NE	1.7	2.7	0.7									3.0	4.0
ENE	0.7	1.7	0.7									1.0	1.4
E	0.7	0.7	1.7	0.0								2.0	0.7
ESE	0.7	1.7		1.5								2.0	0.0
SE	0.7	0.7	2.7	1.7								4.0	2.0
SSE		2.7	3.7	1.3								7.0	4.0
S	1.7	4.7	4.5	4.2	0.3							14.0	0.9
SSW	0.7	1.7	1.7	1.3								4.5	0.1
SW	0.7	2.7	2.6	0.6	0.6							7.0	0.1
WSW		1.7	1.7	1.9								5.0	0.8
W	1.7	2.7	1.6									5.0	0.3
WNW	0.7	1.7	0.7	0.3								2.0	0.7
NW	1.7	2.7	0.5									5.0	4.0
NNW	0.7	2.6	1.6									5.0	4.0
VARBL													
CALM												10.0	
	14.5	33.2	27.4	13.2	1.0							100.0	0.0

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3 5
STATION

DE MACOLA, FLORIDA

STATION NAME

73-72

YEARS

MAY

MONTH

ALL WEATHER

CLASS

HOURE (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.0	37.7	24.0	11.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 400000, FLOWING STATION NAME: YEARS: MONTH: HOURS (L S T):
CLASS: ALL WEATHER
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	17.1	34.0	27.7	12.3	1.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 1

SMOS

4

24584432
725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION: 24584432 STATION NAME: PENSACOLA, FLORIDA YEARS: 17-18 MONTH: NORTH

CLASS: ALL WEATHER

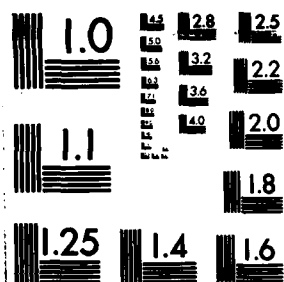
CONDITION:

HOURS (L.S.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME WI SPI
N	.0	2.7	1.7	1.7	.0							1.0	
NNE	.7	1.7	.7	1.7								1.0	
NE	.7	1.7	1.7	2.7	.3							1.0	
ENE	.0	1.7	7.7	.0	.3							1.0	
E	.7	2.7	4.7	1.7								1.0	
ESE	1.0	1.7	7.7	2.7	.3							1.0	
SE	1.0	1.7	5.7	2.7	.0	.7						1.0	
SSE	.0	2.7	7.7	1.7								7.7	
S	.0	1.7	4.7	1.7	.0							1.0	
SSW		.0	1.7	2.7								1.0	1.0
SW			1.7	2.7	.0							1.0	1.0
WSW			1.7	1.7								1.0	1.0
W	1.0	1.7	.0	1.7								1.0	
WNW		.7	1.7	.0								1.0	
NW		1.7		.0								1.0	
NNW	.7	1.7	7.7	1.7	.3							1.0	
VARBI													
CALM												1.0	
	7.1	27.7	37.7	27.7	1.0	.7						1.0	

TOTAL NUMBER OF OBSERVATIONS

SMOS



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13-15 STATION NAME PENSACOLA, FLORIDA YEARS 73-82

CLASS ALL WEATHER

MONTH 12 HOURS (L.S.T.) 12

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.9	.3								2.9	9.1
NNE			1.0	.3								1.3	10.0
NE	.3		.3	.3	.3							1.3	10.5
ENE		.5	.3									1.0	6.7
E	1.0	.5	2.3	.3								4.2	6.8
ESE		1.3	3.5	2.3								7.1	8.8
SE	.3	1.0	8.7	3.9	.3							14.2	9.8
SSE		1.9	7.4	3.5	.3							13.2	9.6
S	.3	1.9	15.2	8.4	.6							26.5	9.9
SSW			4.5	4.2	.6	.3						9.7	12.0
SW		.3	1.0	4.2	2.6	.3						8.4	14.5
WSW	.3		.3	1.6								2.3	11.4
W			1.3	1.0	.3							2.6	12.3
WNW				.6								.6	14.5
NW			.5	1.3								1.9	11.7
NNW		.5	1.0	.3	.3							2.3	10.1
VARBL													
CALM												.4	
	2.3	9.0	49.4	32.6	5.5	.6						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 305 STATION NAME PENSACOLA, FLORIDA YEARS 73-77 MONTH MAY HOURS (L.S.T.) 15

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	1.6	1.3								3.9	9.2
NNE		.2	.3	.6	.3							1.4	11.8
NE		.2	.3									.6	7.0
ENE		.3		.2								.6	9.0
E			.2									.3	10.0
ESE			2.3	.6	.3							3.2	11.5
SE		.6	2.9	3.2								6.8	10.5
SSE	.2	1.3	5.8	3.2	.3							11.0	9.6
S		3.9	18.1	5.2		.6						27.7	9.4
SSW		.6	3.7	9.0								12.9	12.0
SW			2.3	7.7	2.3							12.3	13.8
WSW			1.3	5.8	3.5							10.4	14.5
W	.2	.3	1.0	.6	.3							2.4	10.3
WNW			.2	.3								1.0	10.7
NW		1.0	.6	.3	.3							2.3	9.3
NNW			1.6	.3								1.9	9.7
VARBL													
CALM												.4	
	1.0	9.0	42.6	38.7	7.4	.6						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3445 STATION NAME PENACOLA, FLORIDA YEARS 73-82 MONTH MAY
CLASS ALL WEATHER HOUR (L.S.T.) 18
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.6	1.6	1.9		.7						4.5	10.3
NNE			1.0	.3								1.3	8.8
NE		.7	.6	.3								1.3	8.5
ENE					.7							.7	18.0
E		.3	.7	.6								1.3	9.8
ESE		.7	.6	1.3								2.3	10.1
SE	.7	.6	4.2	1.7								6.5	8.7
SSE	1.0	4.5	1.6	2.6	.3							10.9	8.2
S	.3	4.2	8.1	1.3	.6							15.7	8.2
SSW	1.0	2.6	5.5	1.6	.3	.7						11.3	6.7
SW		7.2	5.8	5.2								14.2	6.3
WSW	.7	4.5	6.1	5.2	.3							16.4	6.8
W	.4	2.6	3.5	1.6								8.4	8.1
WNW			.7	.3								1.0	9.0
NW	.6	.3	.6	.3								1.9	6.7
NNW		.7	.6	1.3								2.3	9.6
VARB													
CALM												1.5	
	4.5	25.2	41.0	25.2	1.9	.6						100.7	9.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03155
STATION

PENSACOLA, FLORIDA
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.6	2.9	.6								7.1	6.9
NNE	1.0	1.6	1.0									3.2	5.3
NE	.3	.6	.6									1.6	5.6
ENE			.3									.3	7.0
E	.3	.3	.3									1.0	4.7
ESE	1.0	.6	1.3	1.0								3.9	7.3
SE	.6	2.6	1.6	2.3								7.1	8.1
SSE	1.3	3.5	1.9	2.6	.3							9.7	8.4
S	.3	4.8	4.5	2.9								12.6	8.3
SSW		2.6	2.9	1.0		.3						6.8	8.8
SW		2.9	2.6	1.3	.3							7.1	8.3
WSW	1.0	1.6	4.2	.6	.3							8.7	7.2
W	3.2	6.5	2.3	.3								12.4	5.2
WNW	1.0	1.6	.3	.3	.3							4.2	6.2
NW	.6	2.3	.3									3.2	4.9
NNW	1.0	1.0	1.0									4.8	6.3
VARB.													
CALM												5.6	
	14.5	36.1	29.7	12.9	1.3	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13-55
STATION

PENSACOLA, FLORIDA
STATION NAME

73-82
YEARS

MAY

MOUTH

ALL

HOURLY (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.3	2.5	.7	.1	.0						8.0	6.5
NNE	.9	1.7	.9	.3	.0							3.0	6.0
NE	.6	1.6	.8	.6	.1							3.7	6.5
ENE	.2	.9	.6	.2	.1							2.1	7.1
E	.6	1.0	1.5	.4	.0							3.5	7.2
ESE	.4	.9	1.8	1.5	.1							4.6	9.0
SE	.4	1.6	3.6	2.2	.2	.0						8.1	9.1
SSE	.4	2.2	3.6	2.1	.2							8.5	9.8
S	.4	3.1	7.5	3.6	.4	.1						15.0	9.2
SSW	.4	1.1	3.1	2.6	.1	.1						7.4	9.9
SW	.1	1.5	2.3	2.9	.9	.0						7.7	10.8
WSW	.4	1.3	2.1	2.2	.5							6.5	9.8
W	1.1	2.4	1.7	.7	.1							6.0	6.8
WNW	.4	.6	.5	.4	.0							2.1	7.5
NW	.3	1.2	.5	.5	.0							3.1	6.2
NNW	.2	1.7	1.5	.5	.1							4.7	6.7
VARIABLE													
CALM												5.1	
	2.3	26.1	34.6	21.5	3.0	.3						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

2460

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03035
STATION

PENSACOLA, FLORIDA
STATION NAME

73-02
YEARS

JUL
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.7	.3	1.0								7.0	5.3
NNE	2.0	1.3	.7									4.0	4.1
NE	1.0	1.3	1.0	.7								4.0	5.8
NNE	.3	1.3	.3	.3								2.3	5.7
E		.7	1.0	1.0								2.7	9.4
ESE		.3	.3	.3								1.0	10.7
SE	.7	1.0	.3	.7								2.7	6.5
SSE	1.0	1.0	1.3	.7								4.0	6.9
S	.3	2.3	4.3	1.7								8.7	8.3
SSW	.3	2.7	2.0	1.0								6.0	7.6
SW		2.0	3.3	1.7								7.0	9.2
WSW	1.0	2.3	4.3	1.3								9.0	7.1
W	2.7	5.7	2.0									10.3	4.9
WNW	2.3	4.0										6.3	3.8
NW	1.7	1.3	.3									3.3	4.0
NNW	1.0	4.7	1.7									7.3	5.4
VARBL													
CALM												13.7	
	16.3	36.3	23.3	10.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3-65

PENSACOLA, FLORIDA

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

02

LOCAL (L.S.T.)

COMPUTATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	6.3	2.0	.7								13.7	4.6
NNE	2.7	3.3	1.7									7.7	4.7
NE	1.0	1.0	.7									2.7	4.5
ENE	1.0	1.0	.3									2.3	4.0
E		.7	2.3	1.0								4.0	9.2
ESE			1.7	.3								2.0	9.6
SE	.3	.7										1.0	4.3
SSE		1.0	1.0	.7								2.7	7.8
S	.3	3.0	4.7	2.0								10.0	8.1
SSW		.7	2.3	1.3								4.3	9.3
SW	.7	2.3	1.3	1.0								5.3	7.4
WSW	1.0	3.7	3.7	.7								9.3	6.9
W	1.7	4.3	3.0	.7								9.7	6.0
WNW	2.0	1.3	1.0									4.3	4.3
NW	1.7	3.0										4.7	3.6
NNW	2.3	1.7	1.3									7.3	4.6
VARBL													
CALM												9.7	
	12.0	36.0	27.0	8.3								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13-75
STATION

PENSACOLA, FLORIDA
STATION NAME

73-82
YEARS

JUN

MONT

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	7.7	2.7	.7								10.3	5.0
NNE	4.3	5.3	2.0	.7								12.3	4.9
NE	.7	3.3	2.3	.3								6.7	5.0
ENE	1.0	1.0	.7	.7								3.0	5.8
E	.7	1.3	2.7	.7								5.0	7.6
ESE		.7		.7								1.3	5.5
SE		1.0	.7	.7								2.3	7.6
SSE		1.7	.3									2.0	6.2
S	1.7	1.7	2.0	1.3	.3							6.7	7.5
SSW		1.3	2.7	1.0								5.0	8.5
SW		1.0		.3								1.3	7.3
WSW	.7	2.3	2.0	1.3								6.3	3.1
W	1.7	2.0	2.3	.3								6.3	6.3
WNW	1.7	3.7	2.0									7.7	4.9
NW	1.0	1.7	.7									3.3	4.9
NNW	2.3	2.0	.7	.3								5.3	4.5
VARBL													
CALM												9.7	
	20.0	37.7	23.3	9.0	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3045

PENACOLA, FLORIDA

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.0	3.3	1.0								8.7	6.8
NNE	1.3	2.3	1.0	1.0								5.7	6.4
NE	1.3	2.0	1.0	.7								5.0	5.7
NNE	.3	1.0	2.0	.7								4.0	4.1
E	.7	1.7	6.0	.7	.3							6.7	5.1
ESE	.3	1.3	2.3	.7								4.7	4.0
SE	1.0	1.3	2.0	.7								5.0	6.6
SSE	.7	2.0	3.3	1.3								7.3	7.5
S		3.3	6.0	1.0								10.3	7.8
SSW		1.7	4.3	1.7								7.3	6.8
SW		.7	3.3	2.7								6.7	10.0
WSW	.3	.3	.3	2.0	.7							3.7	12.4
W	.3	2.3	2.7	1.7	.3							7.3	8.5
WNW	.3	1.0	1.0	1.0								3.3	5.5
NW	.3	.7	3.3	.7								5.0	8.2
NNW	.7	2.3	2.3	.3								5.7	6.4
VARS													
CALM												1.0	
	2.0	26.7	44.3	17.7	1.3							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3455

PENSACOLA, FLORIDA

72-42

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7	1.7								2.7	10.3
NNE		.3	.3	.7								1.3	4.3
NE		.3										.3	5.0
ENE		.7	.3	.3								1.3	7.8
E	.7			.3								1.0	5.0
ESE		.3	1.7	2.7								4.7	11.0
SE		1.0	5.7	2.3								6.7	9.4
SSE		.7	7.7	1.7								10.7	9.0
S	.3	4.3	20.3	6.3								31.3	9.0
SSW	.3	1.0	5.3	6.7	1.0	.7						14.7	11.3
SW			1.3	9.7	2.7							13.7	14.5
WSW			.7	1.7		.3						2.7	13.7
W		1.0	.7	.7								2.7	6.6
WNW			1.0									1.0	6.3
NW		.7		.3								.7	8.5
NNW		1.3	1.7	.3								3.3	6.4
VARBL													
CALM												.7	
	1.3	11.7	47.3	35.0	3.7	.7						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13-45 PENACOLA, FLORIDA 13-92
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUL
MONTH
15
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	1.0								2.7	8.4
NNE	.7	.2	.3	.3								1.7	5.0
NE			.3	.3								.7	10.0
ENE		.3		.3								.7	10.0
E													
ESE		.7		1.0								1.7	11.7
SE	.7	.7	1.7	.3								3.7	7.2
SSE		1.3	7.7	.7								9.7	8.4
S	.7	1.7	14.3	4.7								21.7	9.6
SSW			.7	10.0	.7							15.7	11.8
SW		.7	2.7	27.3	2.7							25.0	13.2
WSW		1.0	.7	6.3	7.3							11.7	14.1
W			1.7	1.0								2.3	10.3
WNW		.3	.7	.3								1.7	9.3
NW		.7	1.7									1.7	3.6
NNW				.7	.3							.7	15.5
VARBL													
CALM												1.7	
	1.7	7.7	35.7	47.0	5.3							100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 700

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17-5 STATION NAME PONTAGLOLA, FLORIDA YEARS 72-73 MONTH J
CLASS ALL WEATHER MONTH 1
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.0	1.7	.3							4.7	7.5
NNE		.7	.7									1.7	7.5
NE													
ENE			1.7	.3								1.7	10.3
E		.7	1.7	.3		.7						3.7	12.3
ESE	1.7	1.7	.3	.3								3.7	5.2
SE			1.7	.3								1.7	5.2
SSE	1.7	1.3	2.7	.3								5.3	6.1
S	.7	3.7	0.7	1.7								13.7	7.5
SSW	.7	1.3	4.7	2.7								7.7	8.4
SW	.7	4.7	7.7	4.3								16.3	8.6
WSW	1.3	6.3	11.7	7.3								26.7	8.9
W	.7	2.3	5.3	1.3								9.7	7.3
WNW		.7	.7									1.7	7.3
NW	.7	1.3	.3	.3								3.7	5.8
NNW	.7	1.7	1.7	.3								3.7	6.8
VARBL													
CALM												.7	
	6.0	25.3	47.7	19.7	.3	.7						110.3	.3

TOTAL NUMBER OF OBSERVATIONS 110

SWOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

PLACACOLA, FLORIDA

STATION NAME

73-72

YEARS

MONTH

21

HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	5.3
NNE	.7	1.7	1.3	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
ENE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.0	.3
E	.0	.7	1.0	.3	.0	.0	.0	.0	.0	.0	.0	2.3	7.4
ESE	.0	.7	.0	1.0	.3	.0	.0	.0	.0	.0	.0	2.3	10.7
SE	.7	.7	.3	.7	.0	.0	.0	.0	.0	.0	.0	2.3	6.0
SSE	.0	3.0	2.7	1.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.8
S	1.0	3.7	4.7	1.3	.0	.0	.0	.0	.0	.0	.0	10.7	7.1
SSW	1.0	3.7	3.0	.3	.0	.0	.0	.0	.0	.0	.0	4.0	5.5
SW	.0	1.7	3.3	.3	.0	.0	.0	.0	.0	.0	.0	6.7	7.4
WSW	1.0	3.7	5.0	.7	.0	.0	.0	.0	.0	.0	.0	10.3	5.0
W	.0	11.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	18.0	5.0
WNW	1.0	4.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	5.7	4.6
NW	1.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.3
NNW	.0	2.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	4.0	5.0
VARBL												7.0	
CALM													
	17.0	43.0	29.3	6.7	.3	.0	.0	.0	.0	.0	.0	100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 215 STATION NAME: PENSACOLA, FLORIDA YEARS: 23-22 MONTH: JUN
CLASS: ALL WEATHER ALL
CONDITION: ALL HOURS (L.S.T.): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.2	1.7	.9	.5							7.7	6.1
NNE	1.4	1.9	1.1	.3								4.7	5.8
NE	.5	1.0	.7	.2								2.5	5.8
ENE	.7	.7	.6	.4								2.0	7.1
E	.2	.7	1.7	.5	.0	.1						3.7	8.5
ESE	.0	.6	.6	.9	.0							2.5	7.1
SE	.4	.2	1.5	.7								3.3	7.8
SSE	.4	1.6	3.2	.8								6.0	7.7
S	.5	3.7	8.0	2.5	.0							14.0	8.4
SSW	.7	1.5	3.5	3.0	.2	.1						8.5	9.7
SW	.7	1.5	2.8	5.0	.6							10.2	11.0
WSW	.6	2.5	3.5	2.7	.5	.1						9.8	9.2
W	1.2	3.4	2.7	.7	.0							8.2	8.4
WNW	.0	1.9	.9	.2								3.8	5.4
NW	.2	1.4	.7	.2								3.1	5.5
NNW	.7	2.3	1.2	.2	.0							4.7	5.8
VARBL													
CALM												5.5	
	10.1	28.0	34.7	19.2	1.5	.1						100.1	7.4

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3-45 PENSACOLA, FLORIDA 73-42 JUNE

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.6	.3	.3								4.6	4.3
NNE	3.0	1.6	1.3									6.1	3.0
NE	1.0	2.3										3.0	3.5
ENE	.6	1.9	.6	.3								3.6	5.9
E	.6	1.3	1.6									3.5	6.3
ESE	.5	1.3	.6	.6								3.2	6.9
SE	1.0	1.6	.6	.6								3.9	5.7
SSE	.3	.3		.6								1.3	8.8
S	.3	1.6	2.3	1.0		.3						5.5	6.8
SSW	1.0	2.3	2.6	1.0								7.7	7.6
SW	.6	2.3	2.3	1.0								6.1	7.3
WSW	1.0	3.5	1.6	.3								6.7	6.3
W	2.3	7.4	3.0	.3								13.0	5.7
WNW	1.6	3.5	1.0	.3								5.7	4.9
NW	1.3	1.6	.3									3.2	4.6
NNW	1.6	2.9										4.5	3.7
VARBL													
CALM												15.0	
	20.6	37.1	19.0	7.4		.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1045 STATION NAME PENTACOLA, FLORIDA YEARS 73-82 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 03
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.5	1.0									8.0	4.5
NNE	1.0	2.0	.6									5.5	4.4
NE	1.0	2.3										4.2	3.8
ENE	1.0	1.6	1.0									3.9	4.5
E	.2	1.6	1.0									3.9	6.1
ESE	.3	.3	.3									1.0	5.0
SE		.2	1.0	.3	.3							2.3	10.0
SSE	.5	1.6	.6	.6								3.2	7.1
S	.4	.6	1.0	1.6	.3	.2						5.5	10.1
SSW	.2	.6	.6	.6								2.3	7.1
SW		1.3	1.3	.6								3.2	7.7
WSW		2.0	1.3	1.0								5.0	7.5
W	2.2	5.2	2.2	.6								15.3	5.7
WNW	2.3	4.8	1.0	.3								8.4	4.8
NW	1.0	3.5	1.0									5.8	4.9
NNW	.6	4.5	.6									5.8	4.7
VARBL													
CALM												19.0	
	16.5	39.7	18.1	5.8	.6	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3. 5 PENSACOLA, FLORIDA 73-92 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.1	5.2	1.4									13.9	3.6
NNE	3.2	2.6	.3									6.1	3.6
NE	1.6	7.2	.6									5.5	4.5
ENE	.6	2.3	1.6	.3								5.2	6.4
E	1.6	1.9	2.8									5.8	5.4
ESE	.3	.3	.6	.3								1.6	7.4
SE	.3	.3	1.9									1.9	7.3
SSE		.3	.6		.3							1.3	10.0
S	.3	1.0	1.6	.6								3.5	7.9
SSW	.3	.3		.3		.3						1.3	10.8
SW			1.0	1.9								2.9	11.2
WSW	.3	1.6	1.0									3.2	5.4
W	3.2	4.2	1.0	.3								8.7	4.6
WNW	1.3	1.9	1.3	.6								5.2	6.2
NW	2.6	4.2	1.9									8.7	5.1
NNW	3.5	4.2	1.6	.3								9.7	5.5
VARBL													
CALM												15.1	
	24.5	33.9	18.7	4.6	.3	.3						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1305	PENSACOLA, FLORIDA	73-92	JUL
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			09
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.0	4.5	1.0								10.3	7.2
NNE	1.0	1.6	.3	.3								3.2	5.3
NE	1.0	.3	1.0	.3								2.6	5.4
ENE	.6	1.0	1.6	.6								3.6	6.7
E	1.3	2.0	3.2	1.0								8.4	7.0
ESE	.6	1.9	3.2	1.3								7.7	7.8
SE	.6	2.9	2.3									5.8	6.2
SSE	1.0	3.2	1.3	.6								6.1	6.6
S		1.9	2.3	.6	.6							5.6	7.2
SSW	1.0	1.0	1.0	1.0	.3	.3						5.5	6.5
SW	.6		3.6	1.3	.3							5.9	9.3
WSW	1.0	1.0	.6	.6								3.2	5.8
W	.6	1.0	2.6	1.3								5.5	8.3
WNW		1.3	2.0	1.0								5.2	8.6
NW	1.0	.6	5.8	1.3								8.7	8.3
NNW	.6	3.6	3.9	1.3								9.8	7.0
VARBL													
CALM												3.2	
	11.0	29.0	41.6	13.5	1.3	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3-15

PENACOLA, FLORIDA

73-72

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.0	.3								1.9	8.0
NNE		.3										.3	5.0
NE		.3		.3								.6	10.0
ENE			.3	.3	.3							1.0	13.3
E		.3	.6	1.0								1.9	10.0
ESE	.3	1.6	3.2	1.6								6.4	8.7
SE		1.6	5.0	2.3								9.0	9.0
SSE		3.5	4.2	.3								8.1	7.4
S		2.9	17.1	5.2		.3						25.5	9.2
SSW	.3	.3	7.7	6.8	.3	.3						15.8	10.5
SW		.3	2.6	4.1	1.0	.3						12.3	12.8
WSW	.3	.3	.6	1.9	.3							3.5	11.7
W	.3	.6	1.9	.6								3.5	8.4
WNW			1.0	1.0	.3							2.3	11.4
NW			.6	1.0								1.6	17.0
NNW	.3	1.9	1.0	.6								3.9	6.8
VARB.													
CALM												1.9	
	1.6	14.8	47.1	31.3	2.3	1.3						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3 15 STATION NAME PENSACOLA, FLORIDA YEARS 73-74 MONTH JUL
ALL WEATHER CLASS 15
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	.1	.3								2.3	5.3
NNE		1.0										1.0	4.7
NE					.7							.7	17.0
NNE	.1			.7								.6	8.5
E		1.0		.3								1.0	5.3
ESE	.3	.3		.6								1.3	9.0
SE		1.0	1.0	1.0								4.5	7.1
SSE	.7	1.6	3.0	1.3								7.1	8.4
S	.7	7.2	13.2	4.9								21.6	9.2
SSW		.1	5.2	4.1	.3	.7						14.2	11.5
SW	.7	.6	6.8	14.2	1.0							23.0	12.2
WSW	.1	.3	3.5	7.7	1.6							13.7	12.6
W		.7	1.0	1.3		.7						7.0	11.7
WNW			1.0	.6	.3							1.6	12.0
NW		1.0	.3	.6								1.9	9.0
NNW		.7	.7	.3								1.0	8.7
VARB													
CALM												.1	
	2.3	12.3	37.7	41.9	4.5	.7						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3 45 STATION NAME PENACOLA, FLORIDA 73-82 YEARS JUN MONTH 18 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.3	2.6	.6								6.1	7.3
NNE	.3	1.0	.3	.3								1.9	6.2
NE				.3								.3	13.0
ENE	.5	.4										1.0	3.0
E	.1	.3	.3	.3								1.3	5.3
ESE	.6	.3	.6	.3								1.9	6.7
SE		1.0	2.3	.3								3.5	7.9
SSE	.6	2.9	1.6									4.5	5.6
S	.3	3.9	3.5	.6								8.4	6.9
SSW		3.2	6.1	1.6	.3							11.3	4.2
SW		2.3	7.1	2.6	.3							12.3	9.0
WSW		5.1	12.3	6.5	.3							24.0	9.3
W	1.0	2.5	5.5	2.3	.3							11.6	8.6
WNW		1.0	1.3	.3								2.9	7.6
NW	1.0	1.3	1.6									3.9	5.3
NNW		.6	1.0									1.6	7.6
VARBL													
CALM												2.5	
	5.5	29.0	45.5	16.1	1.3							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3495 PENSACOLA, FLORIDA 73-42 JUL
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH
21
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.2	.6									5.4	4.6
NNE	1.0	1.0		.3								2.3	4.6
NE	.3	1.6	.3		.3							2.9	5.4
NNE	1.3	2.6	.3									4.2	4.3
E		1.3	.3	.6								2.3	7.7
ESE	.6	1.3	.3	.6								2.9	6.6
SE		1.0	.7									1.3	6.0
SSE	.7	2.3	1.0		.3							3.9	6.6
S	.3	2.9	4.5	.3								8.1	7.2
SSW	.3	1.0	2.3	.3	.6							5.5	8.3
SW	.3	3.2	1.3	.6	.6							6.1	7.9
WSW	1.0	5.1	3.2	.6								11.0	6.1
W	2.9	9.4	6.1	1.3								19.7	6.2
WNW	1.3	4.5	1.3	.3								8.4	4.7
NW	1.3	1.0	.7	.3								2.9	5.1
NNW	1.3	1.3	.6									3.2	4.6
VARBL													
CALM												10.7	
	14.3	44.5	22.9	5.5	1.9							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 410

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 345 STATION NAME PENSACOLA, FLORIDA YEARS 73-90 MONTH JUL
CLASS ALL WEATHER ALL
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.4	1.6	.3								6.7	5.3
NNE	1.4	1.5	.3	.1								3.7	4.4
NE	.5	1.2	.2	.1	.1							2.5	5.1
ENE	.7	1.2	.7	.2	.0							2.9	5.0
E	.5	1.3	1.3	.4								3.5	6.8
ESE	.5	.7	1.2	.7								3.3	7.6
SE	.3	1.2	1.6	.6	.3							4.7	7.9
SSE	.4	2.0	1.6	.4	.1							4.4	7.3
S	.7	2.3	5.6	1.9	.1	.1						10.4	8.8
SSW	.4	1.2	3.3	2.6	.2	.2						7.7	9.6
SW	.0	1.2	3.2	3.8	.5	.7						9.1	10.5
WSW	.0	2.7	3.1	2.3	.3							8.6	8.5
W	1.7	3.8	3.1	1.0	.0	.0						6.3	6.7
WNW	.9	2.2	1.7	.6	.1							5.1	6.4
NW	1.0	1.7	1.5	.4								4.6	6.2
NNW	1.0	2.4	1.1	.3								4.7	5.6
VARB												8.7	
CALM													
	12.3	30.0	31.7	15.8	1.5	.4						170.7	6.9

TOTAL NUMBER OF OBSERVATIONS 747

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PCINACOLA, FLORIDA YEARS 73-74 ALT 0
STATION NAME PCINACOLA, FLORIDA NORTH 00
CLASS ALL WEATHER HOURS (L.S.T.) 00
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.0	0.0									2.0	3.3
NNE	0.0	1.0	0.0									5.0	3.4
NE	1.0	2.0	1.0									6.0	4.8
ENE	0.0	2.0	0.0	1.0								5.0	7.3
E	1.0	3.0	2.0	1.0								8.0	6.7
ESE	0.0	1.0	1.0									2.0	6.6
SE	1.0	3.0	1.0	0.0								5.0	5.6
SSE	0.0	1.0	1.0	0.0								3.0	7.0
S	0.0	2.0	1.0	1.0	0.3							6.0	7.4
SSW	0.0	1.0	1.0									3.0	5.4
SW		0.0	1.0	0.0								2.0	5.9
WSW	0.0	1.0	0.0									1.0	5.8
W	2.0	3.0	1.0									7.0	4.5
WNW	1.0	1.0	0.0									3.0	3.8
NW	1.0	2.0	0.0									4.0	4.5
NNW	1.0	1.0	0.0									3.0	4.3
VARBL													
CALM												2.0	
	21.0	33.0	15.0	5.0	0.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 715 STATION NAME PER. ASCLA, FLORIDA YEARS 71-72 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 07

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	7.4	0.3									13.9	3.7
NNE	0.3	3.2										5.5	3.9
NE	1.3	6.7	1.9									10.0	5.1
ENE	0.4	3.9	2.6	0.3								7.4	6.5
E	0.7	2.3	2.3	1.0								8.4	6.4
ESE		0.7	1.0	1.0								2.3	5.7
SE	1.0	1.0	1.3	0.3								4.2	6.2
SSE	0.7	0.3		0.3								1.0	7.0
S		1.0	1.0	0.6		0.7						3.9	5.3
SSW		1.0	0.3									1.3	6.3
SW		0.7	1.3	0.3								1.0	5.8
WSW	0.4	1.3	1.0	0.3								3.9	5.1
W	0.7	4.8	0.6									6.1	4.9
WNW	1.0	1.0										3.0	3.5
NW	1.0	1.0	0.6									3.2	4.3
NNW	0.7	2.0	0.3									6.0	7.4
VARBL													
CALM												17.0	
	22.4	40.0	15.2	4.2		0.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 717

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-5 STATION NAME PENSACOLA, FLORIDA YEARS 19-20 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	1.2									17.7	4.1
NNE	.1	1.5	1.2									13.0	4.0
NE	1.5	17.1	2.1									14.1	5.1
ENE	1.1	4.1	3.5									10.7	4.9
E	.1	3.5	3.5	1.4								14.0	7.0
ESE		.6	.5									1.3	7.1
SE		1.5	1.3	.3								2.8	9.0
SSE		.7	1.1									1.3	7.2
S		.3	.4	.3								1.3	6.5
SSW	.1		.4	.3								1.0	7.3
SW		.1	.2									.3	.1
WSW		.1										.3	.1
W	.5	2.3	.3									3.0	5.0
WNW	1.5	1.7										2.2	7.1
NW	1.2	1.4	.3	.6								4.5	4.9
NNW	1.5	3.2	1.7									5.0	6.9
VARBL													
CALM												14.5	
	21.6	41.3	19.4	7.2								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 315 STATION NAME: P. L. ANGLA, FLORIDA YEARS: 73-74

CLASS: ALL WEATHER

CONDITION:

400 NORTH 29 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									3.0	5.3
NNE	1.0	1.0	1.0									3.0	5.3
NE	1.0	2.0	1.0									3.0	5.3
ENE	1.0	3.0	4.0	0.6								9.7	7.1
E	1.0	5.0	9.7	1.0								20.0	8.1
ESE	1.0	2.0	4.0	0.6								8.7	6.7
SE		1.0	1.0	0.3								2.6	7.9
SSE	0.6	2.0	1.0	0.3								5.7	6.1
S	0.7	2.0	1.0	0.3								4.8	6.1
SSW		1.0	1.0									2.6	6.5
SW	0.7		0.7									0.6	6.5
WSW		1.0	0.3	0.3								1.0	7.2
W	1.0	1.0	0.7	0.6		0.7						4.3	6.6
WNW	0.6	1.0	1.0									2.6	5.8
NW	1.0	1.0	1.0	0.3								3.9	6.3
NNW	1.0	2.0	2.0	0.3								7.1	6.1
VARBL													
CALM												6.5	
	17.2	37.1	35.2	7.7		0.7						170.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-15 PENNACOLA, FLORIDA 73-12 YEARS ALL WEATHER
STATION NAME CLASS
CONDITION
HOURS (L.S.T.) 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	.6									1.6	4.0
NNE	.6	.6	.3									1.5	4.0
NE	.7		1.0									1.7	7.6
ENE	.5	.6		.6								1.7	7.6
E	.8	.5	2.3	1.6	.3							5.5	9.9
ESE		1.2	6.5	6.8								14.5	10.3
SE	.7	1.3	6.4	1.9								11.9	8.8
SSE	.8	3.9	7.4	1.3								13.2	7.6
S	1.0	3.5	15.8	1.9	.3							22.6	8.4
SSW	.6	1.3	6.0	2.3								11.6	6.8
SW		.3	1.9	3.2								5.5	11.4
WSW		.3	1.3	.3								1.9	9.0
W		.6	1.7	.6								2.3	6.6
WNW	.7	1.0		.3								1.6	5.2
NW	.7	.3										1.0	3.3
NNW	.7	1.3	.3									1.9	5.3
VARBL													
CALM												1.7	
	7.0	18.7	52.6	21.0	.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5 PENSACOLA, FLORIDA 73-00 YEARS
STATION NAME CLASS ALL WEATHER
CONDITION

ADJ NORTH 14
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.7									.7	5.5
NNE		.7	.3	.3								1.3	7.5
NE	.7	.3	.7	.3		.7						1.4	10.6
ENE													
E		.7	1.6	.3								1.6	4.7
ESE		1.6	1.6	3.5								5.4	10.9
SE		1.6	5.5	1.6								8.7	8.6
SSE		2.6	7.7	.6								11.0	8.0
S	.7	2.6	14.6	4.2								21.9	4.8
SSW	.7	1.6	7.7	5.8	.3							16.1	9.8
SW		1.6	5.2	8.1	.6							15.2	11.3
WSW	.7	.6	7.2	1.6	.3							6.1	7.9
W			1.6	1.6								2.9	10.1
WNW	.6	.3	1.3	.3								2.6	6.9
NW		.3	.3									.4	6.0
NNW		1.3	.6	.6								2.3	5.9
VARBL													
CALM												1.4	
	2.3	14.3	51.7	28.4	1.3	.7						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: PERCACOLA, FLORIDA YEARS: 13-12 MONTH: ALL
STATION NAME: PERCACOLA, FLORIDA CLASS: ALL WEATHER
CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.6	1.6									5.2	5.0
NNE	.4	.7	.7									1.4	4.4
NE		1.7		.3								1.3	6.5
ENE		.7	1.7	.6								1.9	6.5
E	.4	.3	1.9	.3								3.2	7.3
ESE	1.0	2.3	1.3	.6								5.2	6.9
SE	.5	2.4	2.3	.6								6.1	6.9
SSE	1.0	2.9	1.9									5.4	5.9
S	.5	7.1	7.2									11.8	5.9
SSW		5.5	7.2									8.7	6.6
SW	.7	4.5	7.1	1.3								13.2	7.6
WSW	.8	5.2	5.2	1.3								11.2	7.4
W	2.3	6.1	4.8			.7						13.5	6.2
WNW	1.4	.3	.6									2.3	4.3
NW		.6		.7								1.0	7.3
NNW	1.7	1.0	1.6									3.6	5.7
VARBL													
CALM												3.9	
	11.6	42.9	36.1	5.2		.7						100.7	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3 15
STATION

PONTAGOLA, FLORIDA
STATION NAME

13-22
YEARS

AUG
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	2.5	.5	.5								8.1	4.0
NNE	3.5	.5	.5			.5						4.5	4.5
NE	2.5	1.0	1.0									5.5	4.5
ENE	.5	1.0	1.5	1.5								4.5	6.5
E	.5	1.5	1.5	2.5								5.5	3.9
ESE	.5	2.5		.5								2.5	5.1
SE	1.0	2.5	1.5	.5								4.5	5.5
SSE	.5	1.5	1.5	.5								4.5	6.4
S	.5	3.0	3.5	.5								8.1	6.7
SSW	1.0	1.5	2.5									5.5	6.0
SW	.5	1.5	1.5	.5								5.5	7.3
WSW	1.0	2.5	1.0									4.5	5.1
W	2.5	3.0	.5	.5								7.5	4.4
WNW	2.5	3.2	.5									6.1	3.8
NW	1.5	1.5	.5									2.5	3.5
NNW	2.5	1.5	.5									4.5	3.6
VARIABLE													
CALM												15.5	
	29.5	37.5	18.4	5.4		.5						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PERCULOLA, FLORIDA STATION NAME PERCULOLA, FLORIDA YEARS 73-72 MONTH ALL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.6	1.7	.0								7.8	4.7
NNE	2.2	1.3	.7	.7		.7						4.4	4.3
NE	1.2	3.2	1.2	.1		.7						5.4	5.3
ENE	.7	2.1	1.7	.6								4.9	6.9
E	.2	2.3	3.1	1.5	.2							7.8	7.8
ESE	.7	1.5	1.6	1.6								5.4	8.5
SE	.2	1.2	2.7	.8								5.8	7.5
SSE	.4	2.3	2.9	.4								5.7	7.1
S	.4	3.3	5.3	1.1	.1	.7						10.0	7.8
SSW	.4	1.2	2.2	1.7	.2							6.2	8.0
SW	.7	1.2	2.4	1.8	.1							5.6	5.4
WSW	.4	1.5	1.5	.4	.2							3.7	7.4
W	1.3	2.3	1.3	.3		.1						5.7	5.8
WNW	1.2	1.2	.5	.1								3.1	4.3
NW	1.3	1.1	.5	.2								2.7	4.9
NNW	1.4	1.2	.2	.1								4.4	5.0
VARBL													
CALM												10.4	
	15.5	33.0	30.5	10.2	.3	.7						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2407

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION Y 5 STATION NAME PENSACOLA, FLORIDA YEARS 73-77 SCF 00
 CLASS ALL WEATHER MONTH 00
 CONDITION HOURS (L O Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	0.0	0.3	1.7								16.3	5.0
NNE	0.7	0.0	2.0	0.7	0.3							5.7	7.4
NE	0.0	0.7	1.0	1.0								0.7	5.6
ENE	1.0	0.7	2.3	1.7								7.0	3.5
E	0.7	1.7	2.7	2.7	0.3							7.7	0.3
ESE			1.7	1.0								2.3	10.6
SE	0.7	2.7	1.0	0.7								5.0	6.5
SSE		1.7	1.7	2.3								5.7	9.2
S	0.7	0.0	1.0	0.3	0.3				0.3			5.3	9.2
SSW	0.7	0.7	1.0	1.3								3.3	0.0
SW			1.0	0.3								1.7	10.3
WSW		1.7	1.3									2.3	6.6
W		1.7	0.3	0.3								2.7	6.0
WNW	1.7	1.3		0.3								3.0	4.7
NW	1.7	2.3										4.0	3.5
NNW	2.3	5.0	0.7									8.0	4.6
VARBL													
CALM												10.7	
	16.3	35.7	21.7	14.3	1.0				0.3			110.0	6.2

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 745 STATION NAME PE. ACOLA, FLORIDA YEARS 73-75

ALL WEATHER CLASS

CONDITION

SEP MONTH 07 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	10.7	4.0	.7			.3					23.7	5.1
NNE	0.0	5.7	4.0	1.0								12.7	6.3
NE	0.7	2.7	.7									6.0	4.3
NNE	.7	1.3	4.0	2.0								7.7	9.4
E	.7	1.7	5.0	4.7								12.0	9.5
ESE		.7	.3									1.0	5.7
SE	.7	.3	.7	.3								2.0	7.0
SSE	.3	1.3	1.7	1.7	.3							4.7	9.1
S	.3	1.7	1.3	.3	.3							4.0	7.7
SSW		1.0	1.0	.3				.3				2.7	11.9
SW	.3	.7										1.0	4.3
WSW	.3		.3	.7								1.0	5.0
W	.7	1.3	1.7									3.7	6.1
WNW	1.3	1.3										2.7	3.3
NW	1.3	1.7	.3									3.3	4.1
NNW	0.0	2.7	1.0									5.7	4.4
VARBL													
CALM												6.7	
	21.0	34.7	25.3	11.7	.7		.3	.3				100.7	6.2

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, FLORIDA 1954 1954
STATION NAME ALL WEATHER 04
CLASS 04
CONDITION 04

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.7	.7	.7	1.3								2.0	5.2
NNE	.7	.7	.7	1.3								1.0	5.2
NE	.7	.7	.7	.7								1.0	5.2
ENE	1.3	.7	.7	.7	.7	.7						1.0	5.2
E	.7	.7	.7	.7	.7							1.0	5.2
ESE	.7		.7									1.0	5.2
SE		.7	.7	1.3								2.0	5.2
SSE	.7	.7	.7	.7	.7							2.0	5.2
S		1.3	.7	.7		.7						2.0	5.2
SSW		.7	.7	.7								1.0	5.2
SW						.7						.7	5.2
WSW			.7									.7	5.2
W		1.3	.7									1.0	5.2
WNW	.7	1.3										1.0	5.2
NW	.7	.7										2.0	5.2
NNW	1.3	2.0	.7					.7				4.0	7.1
VARBL													
CALM												4.0	
	17.7	39.3	25.3	11.0	.7	1.0		.3				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 5
STATION

MEMPHIS, FLORIDA
STATION NAME

73-84
YEARS

SEP
MONTH

ALL WEATHER
CLASS

10
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	3.3	2.3								2.3	7.7
NNE		4.3	3.3	1.7								9.3	7.7
NE	.7	2.3	2.3	.7	.7							6.3	8.3
ENE	1.7	4.3	5.7	2.3	.7							14.3	8.3
E	1.7	6.3	12.3	4.7	.3							25.3	8.3
ESE	.7	1.7	2.7	1.7								6.7	8.1
SE	.7	.3	1.7	1.3	.3							3.7	10.0
SSE		1.7	1.7	1.7								3.7	10.2
S		.7	1.7									3.7	8.1
SSW			1.7	1.3	.7							3.7	11.5
SW			.7	1.3	.7							2.7	14.3
WSW	.7	.3										1.0	3.3
W			.7	.3								1.0	11.3
WNW		1.7	1.3	.3								2.7	7.1
NW		1.3	.7	.7	.7							2.3	10.1
NNW	.7	2.3	2.3	.3								5.0	6.5
VARS													
CALM												2.7	
	1.3	26.7	40.3	20.0	2.0	1.0						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

100

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PC, ACULA, FLORIDA STATION NAME PC, ACULA, FLORIDA YEARS 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960

CLASS ALL WEATHER

CONDITION

MOON 1

MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	1.7	4.0								7.0	10.5
NNE	.7	1.0	.7	1.0								3.4	7.7
NE	.7		.7	.3								1.7	7.8
ENE	.7	.3	2.4	1.0		.7						4.3	10.1
E		.0	4.7	3.7								17.0	10.4
ESE		1.7	4.7	4.7	.7							11.3	10.5
SE	.7	1.7	10.7	4.0								16.7	9.1
SSE		.7	6.7	1.0	.7							12.7	8.2
S	.7	4.3	3.0	1.0	.7							15.7	7.6
SSW	.7	.3	2.0	.7		.7						3.7	9.6
SW		.7	2.0	1.3	.7							4.7	11.1
WSW			.7	1.7	.7							3.3	12.6
W	.7		1.7	.7								2.3	11.1
WNW	.0	.7		.7								1.3	6.3
NW		.7	.7									1.0	5.3
NNW	.3	.3	1.7	.7								2.7	8.4
VARBL													
CALM												.7	
	4.0	1.7	48.3	25.7	3.3	.7						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3-15 STATION 010000LA, FLORIDA 73-12 YEARS MONTH 12
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	3.7	4.3	.3							5.7	11.6
NNE		.7	1.7	1.7								2.7	12.1
NE		.7	.7	.7		.7						1.7	12.2
ENE	.7		5.7	1.7	.7							4.7	10.8
E	.7	.7	1.7	1.3			.3					4.7	11.1
ESE			2.7	2.3	.3	.7						5.7	12.0
SE	.7	3.7	7.3	1.7								8.7	8.2
SSE		7.7	7.7	1.7		.7						13.3	8.7
S	.7	5.7	13.7	1.7								21.3	7.7
SSW		1.7	5.7	1.7								8.7	9.1
SW	.7	.3	7.7	4.3		.7						12.7	10.3
WSW			1.7	1.7	.7							4.7	12.5
W			.7	.7	.3							1.7	13.7
WNW			.7									.7	7.0
NW			1.7	1.3								2.3	11.1
NNW		.7										.7	5.0
VARBL													
CALM												.7	
	7.3	14.3	52.3	25.0	2.3	1.3	.3					110.7	9.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3 1 STATION NAME PALEACOLA, FLORIDA YEARS 1950-51 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 12
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	4.0	1.0								3.0	5.0
NNE	1.0	2.0	1.0	.7								3.0	7.1
NE	.7	.7	1.0	1.0								3.0	7.6
ENE	1.0	.7	2.0	2.0								5.0	5.0
E	.7	1.0	1.0	.7				.7				4.0	5.3
ESE		1.0	2.0	1.0								4.0	5.0
SE		1.0	1.0	1.0	.7							4.0	7.3
SSE	.7	3.0	2.0	2.0	.7							10.0	6.0
S	1.0	5.0	1.0	.7								8.0	5.4
SSW	.7	2.0	1.0	.7								5.0	6.2
SW	1.0	3.0	2.0	.7	.7							8.0	6.6
WSW	.7	1.0	1.0	1.0								5.0	6.0
W	1.0	2.0	2.0	.7								12.0	5.0
WNW		1.0	.7	.7								2.0	5.3
NW		1.0										1.0	4.0
NNW	1.0	2.0	.7	.7								4.0	5.0
VARBL													
CALM												5.0	
	13.0	43.3	26.0	14.0	1.0			.7				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ASHEVILLE, FLORIDA	1961-62	01
CLASS		HOURS (L.S.T.)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.0	4.0	1.7								1.0	3.0
NNE	1.7	1.7	.7	.7			.7					4.0	7.1
NE		1.7	1.7	1.7								6.7	7.6
ENE	1.7	.7	1.7	2.0								5.7	4.0
E	.7	2.3	5.0	2.7								10.0	5.0
ESE	.7	1.7		1.7								7.0	6.0
SE	.7	1.7	1.7	1.7	.7							4.0	5.0
SSE	1.7	.7	2.7	1.7						.7		5.0	10.2
S		.7	1.7									7.0	7.6
SSW		1.7	2.7	.7		.7						4.0	5.7
SW		.7	.7	.3								1.7	5.0
WSW	.7	1.7	.7	.3								7.0	5.0
W	.7	4.0	1.7									7.0	10.2
WNW	.7	2.7	.7									7.0	7.6
NW	.7	2.7	.7	.3								5.0	4.0
NNW	1.7	2.7	.7									1.7	7.1
VARBL													
CALM												1.7	
	1.0	35.3	22.0	13.3	.3	.7	.3			.7		10.0	5.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME

YEARS

MONTH

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.0	31.2	32.7	16.9	1.3	0.5	0.1	0.1	0.0	0.0	0.0	100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

2410

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

315
STATION

PENSACOLA, FLORIDA

STATION NAME

73-52

YEARS

007

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	17.6	8.4	2.6	.3							26.1	6.7
NNE	2.3	6.3	2.3	.6								11.9	5.5
NE	1.0	3.7	2.6									7.1	5.9
ENE		2.6	3.2	.3								6.1	7.2
E	1.0	1.0	2.6	3.5								6.3	7.2
ESE		.7	1.3	.6	.3							2.9	10.1
SE	.7	.6	1.3	1.0	.6							3.9	10.0
SSE	.3	1.0	1.3	1.0								4.5	7.4
S			1.0	1.3								2.9	10.2
SSW		.7	.7	.6		.7						1.6	12.7
SW		1.0										1.6	4.7
WSW		.6		1.3								1.6	10.7
W	.7	.6	.6									1.6	5.7
WNW	.7	1.0	.6									1.6	5.2
NW	.7	1.3	.7	.6								2.9	6.7
NNW	.7	6.9	1.0	2.6								11.0	5.9
VARBL													
CALM												2.9	
	11.3	32.7	28.4	16.1	1.3	.3						170.0	7.1

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3 15
STATION

PELACOLA, FLORIDA

STATION NAME

73-72

YEARS

OCT

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.4	13.0	7.1	3.5	.6							28.4	7.0
NNE	.3	7.4	3.9	.6								12.3	6.3
NE		5.3	4.5	.3								10.6	6.8
ENE	.3	1.6	4.5	1.9								8.7	6.2
E		1.9	3.5	3.9								9.4	9.3
ESE		1.9	.3	1.6								2.9	9.9
SE	1.0	1.0	.7	1.3	.3							4.2	8.5
SSE		.6	.6	.3								1.6	8.0
S	.3	.6	1.9	1.3								3.5	6.7
SSW			.6	.3								1.3	7.4
SW		.3	.6									1.3	9.3
WSW		.7		1.0								1.7	11.8
W		.6	1.0									1.6	6.8
WNW		.3	.3									.3	6.0
NW	.6	.6	.3									1.6	4.8
NNW	1.0	.5	1.9	1.6								10.7	6.3
VARBL													
CALM												1.7	
	7.4	41.6	31.4	17.7	1.0							170.0	7.4

TOTAL NUMBER OF OBSERVATIONS

710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3015	PENSACOLA, FLORIDA	77-78	017
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			01
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	12.0	7.1	3.0	.6							27.7	7.1
NNE	.7	4.1	3.0	1.0								13.2	6.4
NE	.3	4.5	6.0	.6								12.3	7.2
ENE		5.0	5.0	2.3								11.3	6.5
E		5.3	4.5	5.5								12.3	10.0
ESE		.7	.4	.3								1.3	9.6
SE	.7	.6	.3	.6	.3							2.3	10.1
SSE	.0		.0	1.0								2.3	8.3
S		1.0	.6	.3	.3	.7						2.6	9.6
SSW		.7		.6								1.0	12.0
SW			.0									.7	7.0
WSW													
W	.3	.3	.6	.3								1.6	7.0
WNW	.3	.3	.6	.3								1.0	8.2
NW		1.0										1.0	5.0
NNW	.7	4.2	1.0	1.0	.3							7.7	7.3
VARBL													
CALM												1.7	
	11.1	40.0	33.0	17.1	1.6	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7.5
STATION

PENACOLA, FLORIDA
STATION NAME

73-72
YEARS

007
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.5	3.5	4.5	1.5							15.2	9.8
NNE	.5	2.9	1.9	1.9		.3						7.7	8.5
NE	1.0	3.2	2.9	1.9								9.6	7.8
ENE	1.0	4.4	8.1	4.5								15.4	8.4
E	.3	1.6	12.3	9.0								23.2	9.9
ESE		.6	1.9	1.6								4.4	10.0
SE		1.0	.3	.6	1.0							2.9	11.2
SSE		.3	1.6	1.0								2.9	9.7
S	.3	1.0	.3		.3							1.9	7.5
SSW				1.0		.3						1.3	16.8
SW			.3									.6	9.0
WSW			.3	.3								.3	11.5
W			.6	.6	.3							1.6	13.0
WNW		.6	.3	.3								1.3	7.3
NW		.3	.6	.6	.3							1.9	11.3
NNW	.3	2.6	1.3	1.6	.3							6.1	8.3
VARBL													
CALM												1.0	
	4.5	23.5	36.8	29.7	7.9	.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PENACOLA, FLORIDA YEARS 73-77 MONTH OCT
STATION NAME ALL WEATHER CLASS 12
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	3.5	4.5	.6							10.5	10.4
NNE	.7		2.6	2.3								5.5	10.1
NE	.7	.3	.6	.6								1.7	9.8
ENE		.6	1.7	1.6								4.2	9.4
E	.6	2.3	7.4	4.2	.3							14.8	9.3
ESE		1.7	4.1	5.5	.3							14.8	10.1
SE		1.3	6.5	4.5								12.6	9.9
SSE	.7	2.3	4.2	1.7								7.7	7.7
S		2.3	4.2	1.3								7.7	8.3
SSW	.7		.6	.3	.3							1.5	10.8
SW		.7	.3	1.9								2.6	11.0
WSW			.7	.6		.7						1.3	15.0
W	.7	.6		.3	.6							1.9	10.3
WNW	.7		.6	1.7								1.9	10.8
NW		.7	3.5	.3								4.2	9.8
NNW		.2	2.6	3.2	.3							6.5	10.7
VARBL													
CALM												.7	
	7.5	13.5	47.4	33.2	2.6	.7						100.5	9.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3 5 STATION NAME PENSACOLA, FLORIDA YEARS 73-80 MONTH OCT
 CLASS ALL WEATHER
 HOURS (L.S.T.) 15
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	3.0	7.1	1.0							13.1	11.7
NNE		.0	1.0	.6								2.3	8.6
NE		.0	.6	1.3								2.3	10.6
ENE		.0	1.0	.3								2.3	5.0
E		1.0	3.2	1.6								5.8	9.4
ESE	.0	1.3	4.2	3.5								10.0	8.4
SE	.0	3.0	5.2	2.6								11.8	8.2
SSE	.0	2.6	3.0	1.3								8.4	7.8
S	1.0	5.2	7.4	.3								13.9	6.9
SSW		.0	4.8	.3								5.8	8.1
SW		.0	2.6	4.5								7.4	11.1
WSW		.0	.3	1.9								2.6	11.6
W				1.6	.3							1.9	15.0
WNW			.0	.3								1.0	10.3
NW		.0	1.0	1.3								2.6	10.9
NNW		1.0	4.2	2.6	.3							8.1	10.5
VARBL													
CALM												.0	
	7.6	18.7	44.9	31.3	2.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 717

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3405 STATION NAME PEN. ACOLA, FLORIDA YEARS 23-24 MONTH OCT
CLASS ALL WEATHER MONTH 10
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	4.0	3.5	.3							14.5	2.6
NNE		1.0	3.5	.3								4.8	7.8
NE	.3	1.0	1.6	.3								3.2	7.4
ENE	1.0	1.3	.6	.6								3.5	6.2
E	1.3	1.0	1.3	.6								5.2	6.3
ESE	1.0	1.0	2.6	.3								6.5	6.2
SE	.3	2.3	2.6	1.0								8.1	6.6
SSE	1.5	1.0	1.6	1.0								5.2	6.5
S	.6	3.5	1.6			.3						6.1	6.2
SSW	1.0	1.4	.6	.3								3.5	5.5
SW	.3	2.3	.6	.6								4.2	5.8
WSW	1.0	2.3	1.3	.6								5.2	5.9
W	1.5	5.1	4.0	.6								13.2	6.3
WNW	.3	.3	.3	.3								1.3	7.0
NW		.3	.6	.3								1.3	6.8
NNW	.3	4.2	2.3									6.2	6.0
VARBL													
CALM												7.4	
	14.5	34.8	31.9	10.6	.3	.3						120.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3-5

PENACOLA, FLORIDA

75-76

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

21

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	7.1	0.1	2.3	1.0							20.4	7.5
NNE	1.0	2.3	7.1	1.0								8.7	6.5
NE	0.1	1.0	1.0									3.0	6.1
ENE		2.3	1.0	0.3								4.0	6.7
E	0.4	2.9	3.2	2.3								9.0	5.4
ESE		0.2	0.2	0.6								1.0	10.6
SE	0.1	2.3	1.0	1.0	0.3							6.1	8.9
SSE		0.6	1.0	1.6								4.2	6.9
S	0.1	1.0	1.0	0.3								3.0	6.4
SSW	0.7	0.3	0.6	0.3								1.0	7.6
SW		0.7	0.6	0.3								1.3	6.8
WSW		1.0	1.0									1.0	7.7
W	1.0	1.0	0.6	0.3								3.0	6.2
WNW	1.0	2.3	0.6									4.5	4.7
NW	1.0	2.0	1.0	0.6								5.0	6.0
NNW	2.0	5.5	2.0	0.3	0.3							11.0	6.3
VARBL													
CALM												7.7	
	13.0	35.5	20.0	12.3	1.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 5 PENACOLA, FLORIDA STATION NAME 73-12 YEARS MONTH ALL HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	7.7	5.6	4.0	.8							19.4	3.1
NNE	.7	3.4	2.8	1.7		.7						8.3	7.0
NE	.4	2.6	2.6	.6								6.5	7.1
ENE	.7	2.1	3.4	1.5								7.7	5.1
E	.5	2.0	4.5	3.8	.0							11.1	6.2
ESE	.2	.4	2.5	1.8	.1							5.5	5.4
SE	.4	1.6	2.7	1.7	.3							6.5	8.9
SSE	.4	1.2	2.7	1.0								4.6	8.0
S	.4	1.9	2.7	.6	.1	.1						5.4	7.6
SSW	.4	.4	1.0	.5	.0	.1						2.2	5.2
SW	.1	.4	.7	.9								2.3	5.1
WSW	.1	.4	.4	.7		.7						1.9	9.3
W	.5	1.2	1.8	.5	.2							3.4	7.5
WNW	.4	.6	.5	.3								1.6	7.0
NW	.3	.9	.9	.5	.0							2.7	7.7
NNW	.7	3.7	2.2	1.6	.2							8.4	7.6
VARBL													
CALM												2.4	
	7.4	30.4	35.4	21.0	1.8	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2450

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7015 STATION NAME PELICOLA, FLORIDA YEARS 73-74 MONTH N
CLASS ALL WEATHER MONTH 10
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0.7	6.3	4.3	.3	.3						1.7	7.7
NNE	1.3	4.3	4.3	1.3	.3							10.3	7.3
NE	.7	2.3	3.3									6.3	6.2
ENE	.7	3.3	2.3	.7								6.3	7.1
E	.7	4.3	5.3	.7								10.3	7.4
ESE	.7	1.3	1.3	1.3								5.3	7.5
SE	.7	1.3	2.3	.7								5.3	7.5
SSE		.7	2.3	.7								3.7	4.8
S		.7	2.3	2.3	.3							5.3	10.5
SSW	.7	.7	1.3	.3								2.3	4.6
SW	.7	.3	1.3	.7								2.3	7.6
WSW		.7	.7	.3								1.3	7.8
W	.3	.3	1.3	.3	.3							2.3	5.7
WNW	1.3	1.3			.7							2.3	5.8
NW	1.3	2.3	1.3	.3	.3							5.3	6.8
NNW		1.3	2.3	1.3		.3						6.7	8.2
VARBL													
CALM												2.3	
	1.3	35.3	37.3	14.7	1.0	.7						100.3	7.4

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 75 STATION NAME MIAMI, FLORIDA YEARS 73-77 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (LST) 24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	0.3	4.7	4.0	0.3							21.3	7.0
NNE	1.0	4.3	1.3	2.3								11.0	6.7
NE	0.7	5.7	5.0	1.3								12.0	7.6
ENE		7.0	5.3	0.7								6.0	7.3
E	0.0	5.0	4.7	2.7								11.3	7.7
ESE			5.7	1.7		0.0						4.0	11.4
SE	0.0	1.7	1.7	0.7								3.0	7.8
SSE		0.7	1.0	1.7								3.0	10.3
S		0.7	1.7	2.3								4.0	10.6
SSW	0.0	0.3	0.7	0.7								2.0	7.5
SW			1.7	0.7								3.0	10.3
WSW	0.7		0.7									1.0	5.3
W	0.7	1.3	0.7									3.0	5.1
WNW		0.7	1.7		0.7							2.0	10.7
NW	0.7	1.7	1.0	0.3	0.7							4.0	7.8
NNW	1.7	0.3	2.0	1.7	0.3							4.0	7.6
VARBL													
CALM												1.0	
	11.0	34.0	31.0	20.7	0.0	0.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 4 PANAMA, FLORIDA STATION NAME PANAMA YEARS 1951 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L S T) 0

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0
NE	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
ENE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0
E	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0
ESE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
SE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
SSE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	34.7	34.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, FLORIDA STATION NAME ASHEVILLE, FLORIDA YEARS 1971-1972 MONTH N

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	4.7	1.7	1.7							11.0	10.0
NNE	.7	1.7	3.7	1.3	.3							7.7	6.0
NE	1.7	1.7	2.7	2.7	.3							6.7	6.0
ENE	1.7	4.7	4.7	3.7	.3							14.0	6.0
E	1.7	1.3	11.7	4.3								22.7	6.0
ESE	.7	1.7	2.7	1.7	.3							7.7	6.0
SE	.7	.3	1.7	1.7								2.7	6.0
SSE	.7	.7	1.7	.7								3.7	6.1
S		.7	3.7	7.3	.7							7.7	11.0
SSW					.7							.7	10.0
SW				.3								.7	10.0
WSW		.7	.3									.7	6.0
W		.7	1.7	.3								1.7	6.4
WNW			.7	1.0								1.7	11.0
NW	.7	1.7	.7	1.3	.3							4.7	6.3
NNW		1.7	2.7	2.7	.3							6.7	10.7
VARBL													
CALM												1.0	
	6.7	10.3	30.7	29.3	4.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 3-5 STATION NAME WILACOLA, FLORIDA YEARS 1950-51
CLASS ALL WEATHER
CONDITION

NOV
MONTH
17
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.7	4.7	1.3							16.7	11.1
NNE	0.7	0.7	2.7	1.3	0.7							5.7	9.4
NE		0.7	0.7	1.7								2.3	4.9
ENE		1.7	2.7	1.3	0.3							5.3	7.5
E	1.7	5.7	7.3	2.3								16.3	7.7
ESE		2.3	4.7	5.7								16.7	9.4
SE	0.7	1.7	3.7	2.3								8.7	7.8
SSE	0.7	2.7	4.7	0.3								7.7	7.4
S	0.7	0.7	1.7	5.7								7.7	10.9
SSW	0.7		1.7	1.7		0.7						2.7	11.1
SW			1.7	1.7								2.7	11.8
WSW													
W				0.7	0.7							1.3	15.6
WNW			0.7	1.3	0.3							2.7	12.7
NW	0.3		0.7	1.3	0.7	0.7						3.7	17.2
NNW		0.7	2.7	3.7	0.7	0.7						9.7	11.7
VARBL													
CALM												0.7	
	7.3	20.0	34.7	32.3	4.7	1.7						110.7	9.7

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 215 STATION NAME PENSACOLA, FLORIDA YEARS 73-74

ALL WEATHER

CLAS

CONDITION

NOV

MONTH 1

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.7	3.7	5.7	.7	.7						11.7	11.5
NNE		1.0	2.3	2.0	.3							5.7	9.7
NE			1.7									1.0	1.7
ENE		1.7	.7	.3								2.3	7.0
E		1.7	3.3	2.3	.3							7.7	9.3
ESE		7.3	8.3	2.7								14.3	3.7
SE	.7	1.7	3.7	1.3								6.7	3.3
SSE	.7	2.7	5.7	.7								9.3	7.4
S	1.7	5.7	4.7	3.3		.7						14.3	4.3
SSW	.7	1.3	3.7	.3								5.0	4.3
SW		1.3	2.7	.7								3.7	8.5
WSW			1.7	.3	.3							2.3	11.3
W		1.7	.7	.7	.3							3.0	8.6
WNW			.7	1.3								1.7	12.8
NW	.7	.3	.7	2.0	.3							3.7	11.0
NNW	.3	1.0	3.7	1.3	1.0							7.7	10.2
VARBL													
CALM												.7	
	7.0	27.3	44.3	25.0	1.3	.7						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3 5
STATION

PENNA COLA, FLORIDA

STATION NAME

23-12

YEARS

NOV

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	5.0	4.0	4.0	.0							13.0	6.4
NNE	.0	2.0	2.0	1.0	.3							7.0	7.8
NE		1.0	.3	.3								2.0	6.5
ENE		.3	1.0	.3								4.0	6.0
E	.0	1.0	2.0	1.0								5.0	7.7
ESE	.0	7.0	5.0	1.0								10.0	7.8
SE	1.0	2.0	2.0	.0								6.0	6.8
SSE	.0	2.0	2.0	.0								5.0	7.5
S	.0	2.0	3.0	1.0	.0							7.0	8.3
SSW	.0	1.0	.3	1.0								3.0	7.0
SW	.0	.0	1.0	.0								3.0	7.1
WSW	1.0	.0	1.0									2.0	6.0
W	1.0	2.0	2.0	.3								6.0	6.3
WNW	1.0	1.0	.0									2.0	4.9
NW	.0	1.0	.0	.3	.3							5.0	6.8
NNW	.0	4.0	1.0	1.0	.3							6.0	7.0
VARBL													
CALM												6.0	
	10.0	30.7	31.0	13.7	2.0							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
5	PENNAOLA, FLORIDA	73-82	21	
ALL WEATHER				
CLASS				
CONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	7.7	7.3	3.7	.7							21.7	7.7
NNE	1.0	3.0	1.7	.3								5.7	5.7
NE	1.0	3.3	1.3	.7								6.7	5.6
ENE		2.7	3.3									6.0	7.1
E	1.0	4.3	2.7	1.0								9.0	6.9
ESE	.3	1.7	2.0	.7								4.7	7.5
SE	.3	1.3	.7	2.3								4.7	9.3
SSE		.7	2.3	2.7								5.3	10.3
S		0.0	2.3	2.3	.3							6.7	9.4
SSW		.7	.7	1.0	.3							7.7	10.6
SW	.7			.7								1.7	3.7
WSW		1.0	1.3									2.3	5.4
W	.7	1.0	2.0									3.7	6.2
WNW	.3	1.7	1.0	.3								3.3	6.4
NW	.7	7.7	.7	1.3								6.0	6.3
NNW	1.0	3.7	1.0	1.0								6.7	7.1
VARBL													
CALM												3.0	
	2.7	36.3	29.7	17.3	1.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

315

PEL AFOGA, FLORIDA

73-77

NAVY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	4.8	4.0	.7	.1						16.1	9.6
NNE	.7	1.1	2.7	1.5	.2							6.2	7.6
NE	.5	2.6	2.3	.9	.0							6.4	7.1
ENE	.3	2.3	2.5	1.2	.1							6.5	7.7
E	.4	3.5	5.2	2.0	.0							11.7	7.9
ESE	.2	1.7	3.9	2.1	.0	.0						8.1	8.9
SE	.1	1.3	2.0	1.2	.0							5.2	8.4
SSE	.2	1.3	2.5	1.0								5.2	8.3
S	.3	1.5	2.6	2.7	.3	.1						7.3	9.8
SSW	.2	.7	.9	.5	.1	.1						2.5	8.6
SW	.1	.2	.4	.7								1.6	9.4
WSW	.1	.3	.8	.1	.0							1.4	7.3
W	.4	.9	1.1	.3	.2							2.9	7.6
WNW	.3	.6	.5	.6	.2							2.3	8.6
NW	.5	1.9	.8	1.0	.4	.1						4.7	8.4
NNW	.5	2.7	2.1	1.8	.3	.1						7.4	8.9
VARBL													
CALM												2.2	
	7.1	30.3	35.6	21.7	7.7	.4						170.7	9.2

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PT. ST. JACOBE, FLORIDA STATION NAME PT. ST. JACOBE, FLORIDA YEARS 73-74 DUC 10
STATION PT. ST. JACOBE, FLORIDA STATION NAME PT. ST. JACOBE, FLORIDA YEARS 73-74 DUC 10
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	7.1	4.2	.6							23.9	7.6
NNE	.6	3.2	2.6	.6								7.1	6.7
NE	1.0	1.6	1.3	.3								4.2	5.6
ENE	.3	1.0	2.6	1.3								5.2	4.4
E		7.0	2.6	7.3	.3							9.3	5.5
ESE		1.3	2.3	1.6	.3							5.5	4.4
SE	.6	1.3	1.6	.6		.3						4.2	4.6
SSE	.3	.6	1.6	2.3								5.2	4.7
S		.3	1.0	2.6	.3		.3					4.5	13.8
SSW	.3	.6	1.0	.6	.3							2.9	4.4
SW	.3	.6	1.3	1.0								3.2	4.7
WSW		.3	.3	.3								1.0	4.3
W		1.6	1.0	1.0	.3	.3						4.2	10.7
WNW	.3	.6	1.0	.6								2.9	7.1
NW		1.6	1.6	1.3	.3							4.5	5.5
NNW	1.0	3.2	3.9	1.0	1.0	1.7						11.7	10.0
VARBL													
CALM												1.7	
	6.4	32.3	32.3	21.3	7.5	2.7	.3					100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5 DELTA ACOLA, FLORIDA 73-42 DEC NORTH 01 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	6.4	6.8	4.2	.6	.4						10.4	6.3
NNE	.6	5.5	3.9	1.0								11.0	6.9
NE	.7	3.2	2.6	1.0								7.1	7.1
ENE		2.5	3.9	1.0								7.4	5.2
E	.6	3.2	2.6	2.6	.3							9.4	5.3
ESE	1.0	1.0	1.6	.3	.3							4.3	5.0
SE	.3		1.9	1.9	.3							3.6	11.6
SSE		.3	1.0	1.0	.3							2.6	11.9
S	.7	.6	2.3	2.6		.7						6.1	10.5
SSW	.3	.3	1.6	.6	.6							3.6	10.7
SW			.4	.6	.6							1.6	12.5
WSW		.3	.3	1.0								1.6	7.7
W		1.0	.3	.3	.3							1.6	6.7
WNW		1.0	1.0	.3	.3							2.6	6.3
NW	.3	1.0	.6	1.6	.3							3.6	9.8
NNW	1.3	2.9	2.9	3.2	.6	.6						11.7	10.1
VARBL													
CALM												1.6	
	6.8	29.8	33.0	23.3	4.9	1.6						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1315 STATION NAME PANAMA, FLORIDA YEARS 73-74

CLASS ALL WEATHER

CONDITION

DEPT NORTH

03

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.1	5.5	3.2	1.7	.3						18.5	6.5
NNE	.7	3.6	3.9	1.9	.3							10.1	4.5
NE	.4	3.9	4.2	1.5								10.4	7.1
ENE	.3	2.3	4.5	1.6								8.8	6.0
E	1.3	2.5	4.5	2.6	.3							11.6	4.7
ESE	.7	.3	1.5	.3		.7						2.9	10.1
SE	.7	1.7	1.7	1.3	1.7							4.9	10.0
SSE		.7		.6	.3							1.7	12.0
S		.5	1.7	2.3	.6	.7						5.7	12.3
SSW		.7	1.7	.6								2.3	4.9
SW		.7	1.5	.6	.3							2.3	10.4
WSW	.7	.3	1.5		.3							1.7	8.5
W		.6	.3	.6								1.5	8.6
WNW	.7	1.7	.6	.6	.3							2.9	8.4
NW	.6	.3	2.3	2.3	.3		.3					6.7	11.3
NNW	.7	2.6	2.6	2.6	.6	.6						9.4	10.3
VARBL													
CALM												.3	
	5.9	27.3	36.7	22.4	5.5	1.4	.3					100.7	6.1

TOTAL NUMBER OF OBSERVATIONS 178

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-5	PENACOLA, FLORIDA	73-82	DLC
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			09
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	3.2	5.2	5.5	1.6	1.0						16.4	10.4
NNE		1.0	2.2	3.9	1.0							9.4	10.5
NE		2.8	3.2	1.0								6.9	7.6
ENE	.7	2.3	5.8	2.9								11.3	8.9
E	.3	2.0	7.4	2.9	.6							14.2	9.3
ESE	.3	.6	1.6	1.3	.3							4.2	7.4
SE	.7		.6	1.6		.7						2.9	11.6
SSE		.6	1.0	1.3	.3							3.2	10.9
S		.5	.8	1.0	.3	.7						2.9	11.2
SSW			1.0	1.6	.3							2.9	11.8
SW		.6	1.0	.6		.7						2.6	11.5
WSW			1.0	.6	.3							1.9	11.3
W		.7	.7	.3		.7						1.7	13.3
WNW	.7		.6		1.0							1.9	11.5
NW		.6	1.0	2.3	.6							5.5	10.9
NNW		1.7	2.6	1.9	1.9							7.8	11.8
VARBL													
CALM												2.3	
	3.9	17.4	36.6	28.8	9.4	2.3						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

305 PONTACOLA, FLORIDA 73-22

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

DISC NORTH 12 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	4.7	4.5	1.3	.7						13.5	10.0
NNE	.6	2.3	1.6	2.9								7.4	8.7
NE		1.0	1.6	1.6								4.2	9.9
ENE	.0	1.0	1.6	.6								3.6	7.5
E	1.7	1.6	6.1	3.2	.6							12.3	6.4
ESE		0.0	3.6	4.2	.3							11.0	7.7
SE		1.0	1.0	2.6								4.6	7.6
SSE	.7	.6	1.0	1.9	.3							5.7	10.7
S	.6	1.5	2.3	1.9								6.8	8.6
SSW		.6	1.3	1.6	1.0							4.5	12.3
SW	.7		.6	1.3								1.9	10.5
WSW			1.9	1.9								3.2	11.2
W			.6	1.6	.3	.7						2.6	13.7
WNW	.3	.3	1.0	1.3	1.0							3.6	12.3
NW		1.0	.6	1.9	1.0							4.5	12.2
NNW		.6	2.3	5.5	.6	.7						9.4	12.6
VARBL													
CALM												.0	
	4.5	17.4	31.7	38.5	6.5	1.0						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 270

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	DEC
5	PENACOLA, FLORIDA	73-74	1
ALL WEATHER			1
CLASS			1
CONDITION			1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	4.2	6.1	1.6	.6						15.2	12.1
NNE	.2	.6	1.6	1.6								3.6	9.3
NE	.2	1.6	2.6	.6								4.2	7.5
ENE	.2	1.6	.6									1.0	5.7
E		1.6	4.2	3.2								9.1	9.3
ESE	.3	1.6	4.6	3.2	.6							10.4	9.6
SE	.2	2.6	1.3	2.6	.3	.2						7.8	9.5
SSE		1.6	1.6	.6								3.2	9.2
S		3.2	2.6	2.9								9.1	8.3
SSW		2.6	1.6	1.9		.6						6.5	10.4
SW		.6	1.6	3.6								6.2	11.0
WSW	.2		1.6	1.6								3.2	10.4
W			1.6	1.9		.2						3.2	12.4
WNW			.2	1.6								2.3	12.6
NW		.3	.6	1.3	1.6							3.2	13.3
NNW		1.6	3.2	3.9	.6							10.2	10.5
VARBL													
CALM												.2	
	2.6	19.4	35.2	36.2	4.2	1.2						100.2	12.1

TOTAL NUMBER OF OBSERVATIONS 740

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PEARL HARBOR, HONOLULU STATION NAME PEARL HARBOR, HONOLULU YEARS 1951-52 DATE 1-1-53

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 1-1-53

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.9	2.9	3.2	1.7	.7						14.8	7.1
NNE	.7	3.6	2.3	1.3								7.8	6.7
NE		1.6	.3	1.7								2.9	7.9
ENE	.7	1.6	.7	1.6								4.7	7.6
E	1.7	3.2	4.4	1.6								10.7	7.7
ESE		1.7	3.9	1.3	.3							7.1	9.7
SE		.3	1.4	1.9								4.5	10.7
SSE	.3	.3	.3	1.6								2.5	10.4
S	1.3	1.9	1.9	2.6								7.5	8.7
SSW		1.4	.7	1.7	.3							3.6	7.7
SW		1.7	.3	.6	.3							2.7	8.7
WSW	.6	1.7	1.7	.6								3.7	7.3
W	1.7	1.3	4.5	1.7	.3							9.1	8.2
WNW		1.5	1.7									2.7	8.4
NW	.7	1.9	2.6	.3	.3							5.5	7.5
NNW	.3	2.7	3.6	1.9	.6							9.4	6.7
VARBL													
CALM												2.6	
	7.1	11.7	33.1	22.1	5.2	.7						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 576

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, FLORIDA STATION NAME ALL LEATHER YEARS 23-24 MONTH DEC
CLASS 21
CONDITION NOISE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.5	5.3	4.6	.3	.						15.6	5.7
NNE	1.0	1.0	1.0	.3								4.3	5.5
NE	.7	1.3	3.6									5.6	7.0
ENE	.0	2.6	2.3	1.0								6.9	7.7
E	.0	3.6	2.6	1.6	.3							6.1	7.6
ESE	.7		7.2	7.6								6.7	10.7
SE		.3	1.3	2.3	1.0							4.3	12.3
SSE	.7	.6	1.7	1.6	.6							4.3	11.2
S	.7	1.0	1.3	2.3	.3							5.6	10.7
SSW	.7	.6	1.0	1.3								3.2	7.7
SW	.7	.3	.6	1.0	.3							2.0	10.5
WSW	.	.3	.3	.3								1.3	7.3
W	1.0	1.0	1.3	.6	1.0							6.6	6.4
WNW	1.0	2.3	1.7	.6								6.7	6.1
NW	1.0	2.3	1.6	1.0		.7						6.7	7.2
NNW	1.0	2.6	2.2	2.4	.6	.7						11.4	7.4
VARBL													
CALM												1.0	
	11.0	7.0	31.2	24.4	4.5	1.7						10.0	7.4

TOTAL NUMBER OF OBSERVATIONS 23

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
7	ASHEVILLE, FLORIDA	11-12	ALL
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	1.4	4.1	1.1	0						17.7	6.7
NNE	0	2.7	2.4	1.8	0.2							7.1	1.0
NE	0.3	2.1	2.1	0.8								5.3	2.4
ENE	0.4	1.4	2.7	1.3								11.1	1.1
E	0.1	2.8	4.3	2.5	0.3							19.7	4.7
ESE	0.1	1.2	2.0	1.7	0.3	0						6.5	2.5
SE	0.7	0.5	1.3	1.0	0.3	0.2						4.7	10.5
SSE	0	0.4	1.1	1.4	0.2							3.4	15.5
S	0.1	1.3	1.7	2.3	0.2	0.1	0					5.8	16.1
SSW	0.1	0.1	1.1	1.2	0.3	0.1						3.8	19.7
SW	0.1	0.1	0.7	1.1	0.2	0						2.1	19.5
WSW	0	0.3	0.4	0.5	0.1							1.3	6.4
W	0.2	0.1	1.3	0.9	0.3	0.1						7.7	10.1
WNW	0.3	0.0	0.0	0.6	0.3							3.0	1.9
NW	0.1	1.1	1.5	1.7	0.5	0	0.2					4.8	10.1
NNW	0.1	2.2	3.1	2.8	0.0	0.1						10.1	13.7
VARBL													
CALM												1.0	
	10.0	25.1	33.7	27.1	1.1	1.1	0.1					170.1	6.7

TOTAL NUMBER OF OBSERVATIONS 207

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STA. 1001, FLORIDA

STATION NAME

70-10

YEARS

ALL

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.1	3.0	2.6	.5	.1	.0					12.5	7.1
NNE	.0	2.2	1.7	.9	.1	.0	.0					5.0	7.1
NE	.0	1.7	1.0	.7	.0	.0						4.6	7.0
ENE	.0	1.4	1.0	.9	.0	.0						4.7	7.0
E	.0	1.0	3.1	1.7	.1	.0	.0	.0				7.4	7.0
ESE	.0	1.1	2.3	1.6	.2	.0						5.7	6.4
SE	.4	1.4	2.4	1.6	.2	.0	.0					5.9	6.7
SSE	.4	1.5	2.6	1.4	.1	.0				.0		6.0	6.7
S	.0	2.3	4.6	2.3	.3	.1	.0		.0			9.7	7.9
SSW	.0	1.0	2.1	1.5	.1	.0	.0	.0				5.1	7.1
SW	.0	.0	1.0	2.0	.3	.0	.0	.0				5.1	10.3
WSW	.0	1.1	1.0	1.2	.2	.0	.0					4.6	7.3
W	.0	1.0	1.0	.8	.1	.1						5.0	7.5
WNW	.0	1.1	.0	.5	.1	.0						3.0	7.4
NW	.0	1.0	.0	.0	.3	.1	.0					3.0	6.5
NNW	.7	2.1	1.7	1.4	.4	.1		.0				6.5	6.7
VARBL													
CALM												4.0	
	1.7	27.0	33.0	21.0	1.2	.7	.0	.0	.0	.0		170.0	.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

SEACOLA, FLORIDA

STATION NAME

73-75

YEARS

ALL

MONTH

ALL

HOURS (L.S.T.)

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSEY 1/2 MI OR MORE,

CONDITION

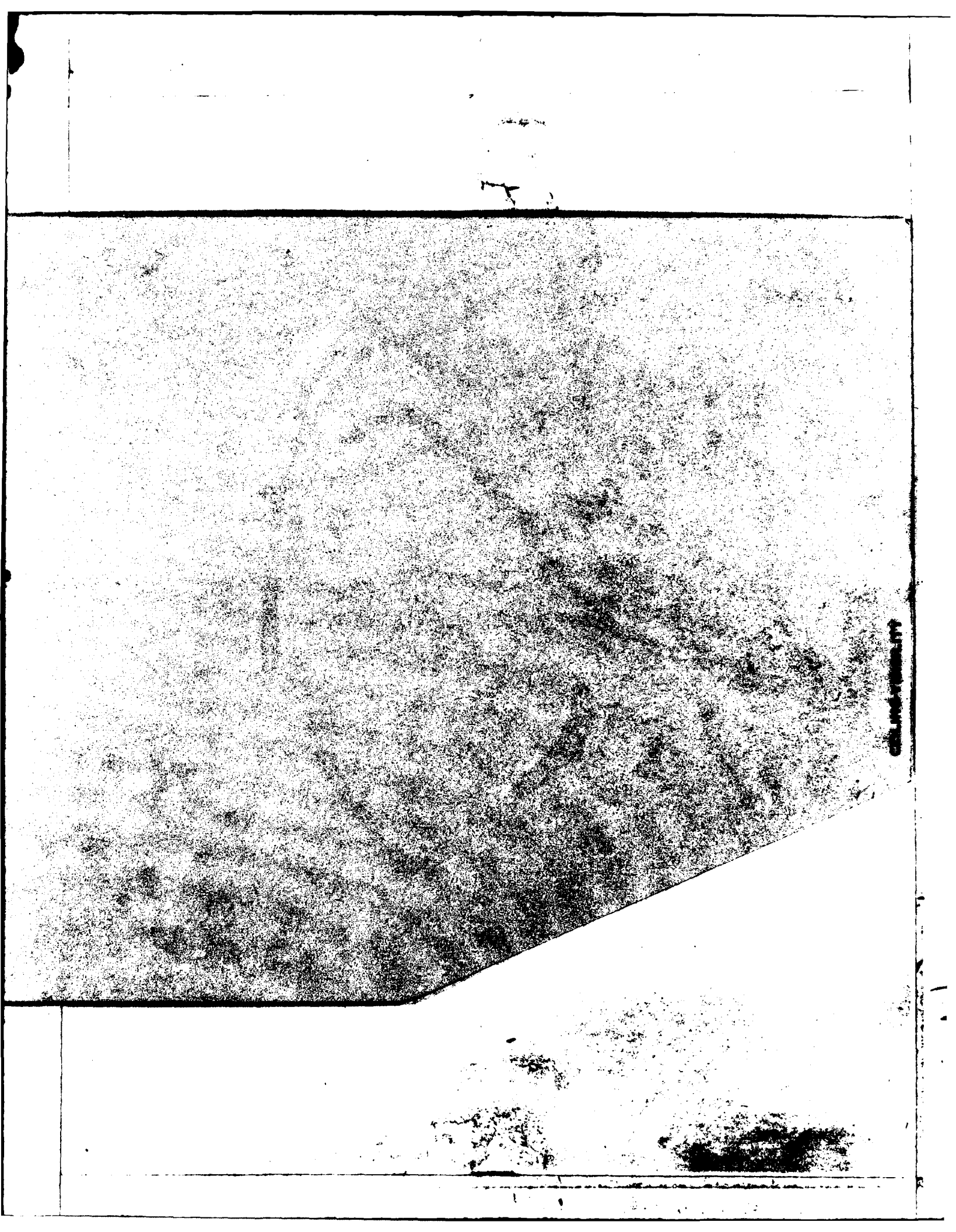
ANY/DR VSEY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.7	2.8	3.6	1.0	.0	.0					11.7	9.7
NNE	.0	1.4	1.6	1.5	.2	.7	.1					5.6	8.7
NE	.0	1.6	1.7	1.0	.1	.7						4.9	8.2
ENE	.0	1.4	2.7	1.3	.1							5.7	8.8
E	.7	2.3	4.6	7.2	.4	.1	.0					11.1	9.4
ESE	.4	1.2	3.7	3.7	.5	.0						9.4	10.3
SE	.7	1.2	2.7	2.5	.4	.1						6.7	10.3
SSE	.7	1.9	2.6	2.4	.4	.1						7.3	10.1
S	.7	1.0	3.6	2.9	.6	.7	.0		.0			9.7	10.6
SSW	.0	.7	.0	1.2	.5	.7	.1	.0				3.8	12.7
SW	.1	.4	1.1	1.6	.3	.1						3.7	11.2
WSW	.1	.7	1.1	1.1	.2	.1						3.7	9.9
W	.0	.7	1.7	.9	.2	.1						3.3	9.7
WNW	.7	.3	.0	.3	.1	.0						1.5	9.0
NW	.0	.7	.7	.9	.5	.1	.0					3.4	10.3
NNW	.4	1.4	1.0	1.6	.7	.7		.0				5.7	11.1
VARBL													
CALM												3.6	
	5.9	20.4	31.1	37.0	6.3	1.7	.7	.1	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

3519

SMOS



NOCD. Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{5}{16}$	$\geq \frac{1}{4}$	≥ 0	
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING
≥ 20000
IV 18000
IV 16000
IV 14000
IV 12000
IV 10000
IV 9000
IV 8000
IV 7000
IV 6000
IV 5000
IV 4500
IV 4000
IV 3500
IV 3000
IV 2500
IV 2000
IV 1800
IV 1500
IV 1200
IV 1000
IV 900
IV 800
IV 700
IV 600
IV 500
IV 400
IV 300
IV 200
IV 100
IV 0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	41.6	44.5	45.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 20000	•	44.5	44.5	46.5	48.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	•	44.5	44.5	46.5	48.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	•	44.5	44.5	46.5	48.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	•	44.5	44.5	46.5	48.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	•	44.5	44.5	46.5	48.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	•	44.5	44.5	46.5	48.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	•	44.5	44.5	46.5	48.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 8000	•	•	41.6	42.9	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 7000	•	•	41.6	43.2	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 6000	•	1.1	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 5000	•	2.2	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 4500	•	3.3	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 4000	•	4.4	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 3500	•	5.5	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 3000	•	6.6	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 2500	•	7.7	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 2000	•	8.8	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 1800	•	9.9	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 1500	•	11.0	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 1200	•	12.1	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 1000	•	13.2	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 900	•	14.3	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 800	•	15.4	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 700	•	16.5	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 600	•	17.6	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 500	•	18.7	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 400	•	19.8	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 300	•	20.9	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 200	•	22.0	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 100	•	23.1	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 0	•	24.2	54.5	54.5	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	16.4	32.4	39.4	47.0	48.3	48.3	48.3	48.3	41.3	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 18000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 16000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 14000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 12000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 10000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 9000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 8000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 7000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 6000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 5000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 4500	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 4000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 3500	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 3000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 2500	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 2000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 1800	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 1500	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 1200	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 1000	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 900	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 800	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 700	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 600	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 500	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 400	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 300	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 200	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 100	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 0	7.7	41.3	42.3	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1
HOURS 11 57

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	12.7	4.0	47.1	41.5	45.7	45.5	46.2	46.7	47.1	46.1	47.1	46.1	47.1	46.1	47.1	46.1
IV 20000	12.7	4.0	51.6	51.9	51.7	51.5	52.3	52.3	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	12.7	4.0	57.3	52.6	53.7	52.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	12.7	4.0	57.3	52.6	53.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	12.7	4.0	57.3	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	12.7	4.0	54.5	54.3	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	12.7	4.0	57.1	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 9000	12.7	4.0	57.1	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 8000	12.7	4.0	57.7	59.5	60.7	60.3	60.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 7000	12.7	4.0	60.3	60.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000	12.7	4.0	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000	12.7	4.0	63.6	63.2	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500	12.7	4.0	64.2	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4000	12.7	4.0	64.5	66.1	66.3	66.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3500	12.7	4.0	65.8	67.4	67.1	68.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	12.7	4.0	63.6	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 2500	12.7	4.0	61.1	62.7	62.7	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 2000	12.7	4.0	71.9	72.6	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1800	12.7	4.0	71.9	72.6	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1500	12.7	4.0	73.5	73.5	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1200	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1000	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 900	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 800	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 700	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 600	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 500	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 400	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 300	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 200	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 100	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 0	12.7	4.0	73.7	73.7	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 18000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 16000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 14000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 12000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 10000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 9000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 8000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 7000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 6000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 5000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 900	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 700	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 600	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 400	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 300	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 100	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 20000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 18000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 16000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 14000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 12000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 10000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 9000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 8000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 7000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 6000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 5000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 4500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 4000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 3500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 3000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 2500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 2000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 1800	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 1500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 1200	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 1000	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 900	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 800	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 700	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 600	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 500	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 400	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 300	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 200	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 100	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 0	1.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
≥ 20000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 18000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 16000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 14000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 12000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 10000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 9000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 8000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 7000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 6000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 5000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 4500	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 4000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 3500	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 3000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 2500	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 2000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1800	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1500	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1200	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1000	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 900	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 800	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 700	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 600	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 500	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 400	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 300	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 200	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 100	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 0	1.0	1.0	11.7	12.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.1	41.7	47.7	44.4	48.7	47.7	5.4	1.1	1.1	1.4	51.7	51.7	52.7	52.7	52.7	52.7
≥ 20000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 12000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 10000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 9000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 8000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 7000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 6000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 5000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 4500	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 4000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 3500	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 3000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 2500	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 2000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 1800	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 1500	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 1200	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 1000	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 900	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 800	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 700	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 600	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 500	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 400	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 300	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 200	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 100	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 0	7.1	41.7	51.7	52.7	57.7	72.7	54.7	5.4	5.4	5.4	55.7	55.7	55.7	55.7	55.7	55.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼
NO CEILING	5.7	25.7	41.4	46.7	48.6	46.3	47.2	47.5	47.5	48.6	48.9	48.9	51.0	50.7	51.0
≥ 20000	4.7	22.2	43.2	47.9	49.7	45.7	48.7	48.1	48.1	52.1	52.5	52.5	54.4	54.7	54.4
≥ 18000	5.7	25.7	43.4	47.9	49.7	49.7	50.7	51.1	51.1	52.1	52.5	52.5	54.4	54.7	54.4
IV 16000	5.7	22.2	47.6	47.9	49.7	49.7	50.7	51.1	51.1	52.1	52.5	52.5	54.4	54.7	54.4
IV 14000	5.7	25.7	44.6	48.2	50.0	48.2	51.1	51.4	51.4	52.1	52.5	52.5	54.4	54.7	54.4
IV 12000	5.7	24.2	44.4	50.0	51.6	51.6	52.4	52.4	52.4	54.7	54.6	54.6	56.4	56.4	56.7
IV 10000	5.7	44.7	47.6	52.1	54.6	54.6	55.7	56.4	56.4	57.5	57.8	57.8	59.9	59.9	59.9
IV 9000	5.7	45.7	47.6	52.1	54.6	54.6	55.7	56.4	56.4	57.5	57.8	57.8	59.9	59.9	59.9
IV 8000	5.7	47.7	47.6	52.9	54.4	54.4	57.5	57.8	57.8	59.2	59.6	59.6	61.4	61.4	61.7
IV 7000	5.7	46.7	50.7	51.3	57.5	57.5	58.9	59.2	59.2	60.6	61.0	61.0	62.1	62.4	63.1
IV 6000	5.7	49.7	51.6	58.0	58.5	58.5	60.9	60.9	60.9	61.4	61.7	61.7	62.5	63.1	63.6
IV 5000	5.7	52.1	57.5	57.5	61.0	61.0	62.1	62.4	62.4	63.6	64.2	64.2	65.3	65.3	65.7
IV 4500	5.7	54.7	57.5	61.4	61.4	61.4	62.4	62.4	62.4	63.6	64.2	64.2	65.3	65.3	65.7
IV 4000	5.7	55.7	57.5	61.4	61.4	61.4	62.4	62.4	62.4	63.6	64.2	64.2	65.3	65.3	65.7
IV 3500	5.7	56.7	61.4	61.4	63.8	63.8	64.2	64.5	64.5	66.0	66.3	66.3	67.4	68.1	68.4
IV 3000	5.7	56.7	61.4	63.8	63.8	63.8	65.3	65.6	65.6	67.0	67.4	67.4	68.4	69.0	69.2
IV 2500	5.7	56.7	63.8	63.8	66.0	66.0	67.0	67.4	67.4	68.4	68.9	68.9	69.2	70.4	70.4
IV 2000	5.7	56.7	63.8	66.0	66.0	66.0	67.0	67.4	67.4	68.4	68.9	68.9	69.2	70.4	70.4
IV 1800	5.7	56.7	63.8	66.0	66.0	66.0	67.0	67.4	67.4	68.4	68.9	68.9	69.2	70.4	70.4
IV 1500	5.7	56.7	62.1	67.7	71.6	71.6	73.1	73.8	74.1	75.2	75.3	75.3	76.7	77.0	77.4
IV 1200	5.7	56.7	62.1	67.7	71.6	71.6	73.1	73.8	74.1	75.2	75.3	75.3	76.7	77.0	77.4
IV 1000	5.7	56.7	63.8	67.7	71.6	71.6	73.1	73.8	74.1	75.2	75.3	75.3	76.7	77.0	77.4
IV 900	5.7	56.7	64.2	71.6	74.1	74.1	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 800	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 700	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 600	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 500	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 400	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 300	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 200	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 100	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1
IV 0	5.7	56.7	64.5	71.6	74.5	74.5	74.5	75.4	75.4	77.0	77.4	77.4	78.1	79.1	79.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	5.7	43.3	47.0	44.3	31.4	21.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000	5.7	47.0	52.5	45.3	21.4	17.5	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 18000	5.7	48.2	57.0	55.7	57.7	17.6	18.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 16000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 14000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 12000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 10000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 9000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 8000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 7000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 6000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 5000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 4500	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 4000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 3500	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 3000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 2500	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 2000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 1800	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 1500	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 1200	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 1000	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 900	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 800	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 700	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 600	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 500	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 400	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 300	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 200	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 100	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IV 0	5.7	48.2	57.0	55.7	57.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 20000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 18000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 16000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 14000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 12000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 10000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 9000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 8000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 7000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 6000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 5000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 4500	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 4000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 3500	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 3000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 2500	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 2000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1800	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1500	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1200	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 1000	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 900	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 800	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 700	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 600	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 500	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 400	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 300	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 200	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 100	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
IV 0	7.0	1.0	5.0	14.3	20.0	4.0	18.0	4.0	16.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.2	57.2	54.7	55.3	54.7	56.7	54.7	56.7	54.7	57.1	57.1	57.2	57.1	57.1	57.1	57.1
≥ 20000	1.2	57.8	57.2	55.3	61.7	61.2	61.2	61.7	61.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 18000	11.4	61.1	59.5	61.6	62.1	62.1	62.1	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	11.4	61.5	59.9	61.6	62.4	62.4	62.4	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 14000	11.4	61.7	60.6	61.7	63.1	63.1	63.1	63.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	11.4	61.7	61.1	61.1	64.4	64.4	64.4	64.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 9000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 8000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 7000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 6000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4500	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 3500	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 3000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 2500	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 2000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1800	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1500	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1200	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1000	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 900	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 800	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 700	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 600	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 500	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 400	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 300	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 200	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 100	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 0	11.4	61.7	61.5	61.5	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.7	57.7	57.7	1.0	4.7	5.3	54.7	56.7	54.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	11.7	56.5	54.7	59.2	59.2	1.7	62.4	2.4	62.4	64.3	62.4	62.4	62.4	62.4	62.4	62.4
IV 18000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 9000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 8000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 7000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 6000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 5000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 4500	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 4000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 3500	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 3000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 2500	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 2000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 1800	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 1500	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 1200	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 1000	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 900	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 800	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 700	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 600	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 500	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 400	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 300	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 200	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 100	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 0	11.7	55.5	54.7	19.2	57.4	11.1	62.4	2.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	5.7	57.5	14.2	49.6	49.1	49.7	4.9	47.7	50.1	47.7	43.5	47.4	50.0	47.1	1.1
≥ 20000	1.0	7.1	52.2	1.6	57.1	12.4	43.4	1.4	42.5	62.0	67.8	62.3	67.1	61.1	63.1	1.0
≥ 18000	1.0	7.5	54.1	4.5	61.1	12.4	43.4	0.4	47.3	42.5	47.8	42.4	47.1	43.1	43.1	1.0
≥ 16000	1.0	7.5	52.8	6.6	61.1	12.4	43.4	0.4	47.3	62.0	57.8	52.4	47.1	43.1	43.1	1.0
≥ 14000	11.0	7.1	61.7	1.1	67.4	42.8	47.8	1.1	43.1	47.1	47.1	43.1	47.1	43.1	43.1	1.0
≥ 12000	11.0	7.1	61.7	1.1	67.4	43.1	47.8	1.1	43.1	47.1	47.1	43.1	47.1	43.1	43.1	1.0
≥ 10000	11.0	7.1	62.4	4.1	64.8	44.1	44.1	4.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	1.0
≥ 9000	11.0	7.1	62.4	4.1	64.8	44.1	44.1	4.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	1.0
≥ 8000	1.0	1.7	64.3	1.6	67.1	7.4	67.9	7.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	1.0
≥ 7000	1.0	1.1	67.7	6.7	67.4	67.8	6.8	1.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	1.0
≥ 6000	11.0	3.1	67.4	1.1	67.1	49.7	67.9	4.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	1.0
≥ 5000	11.0	4.5	67.4	6.2	7.1	71.9	7.9	7.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	1.0
≥ 4500	11.0	4.4	67.4	6.5	71.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	1.0
≥ 4000	11.0	3.6	67.5	7.6	72.8	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	1.0
≥ 3500	11.0	3.6	67.5	7.6	72.8	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	1.0
≥ 3000	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 2500	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 2000	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 1800	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 1500	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 1200	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 1000	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 900	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 800	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 700	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 600	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 500	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 400	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 300	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 200	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 100	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0
≥ 0	11.0	4.7	71.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING
IV 20000
IV 18000
IV 16000
IV 14000
IV 12000
IV 10000
IV 9000
IV 8000
IV 7000
IV 6000
IV 5000
IV 4500
IV 4000
IV 3500
IV 3000
IV 2500
IV 2000
IV 1800
IV 1500
IV 1200
IV 1000
IV 900
IV 800
IV 700
IV 600
IV 500
IV 400
IV 300
IV 200
IV 100
IV 0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

AD A150 446

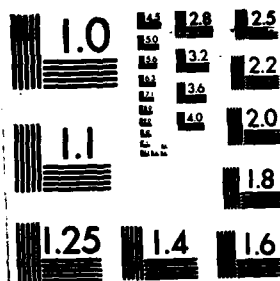
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
PENSACOLA FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC FEB 84

34

UNCLASSIFIED

F/G 4/2

114



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 20000	41.5	43.2	45.5	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 18000	41.5	43.2	45.5	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 16000	41.5	43.2	45.5	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 14000	42.3	44.2	46.5	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 12000	44.2	46.5	48.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	45.5	48.4	50.7	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 9000	46.5	49.7	51.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 8000	49.0	52.6	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 7000	49.7	53.2	55.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	49.7	53.6	56.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	50.7	53.9	56.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4500	51.5	55.2	58.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 4000	51.5	56.1	59.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3500	52.6	57.1	60.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 3000	53.9	58.4	61.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 2500	55.2	60.0	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 2000	56.8	62.3	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 1800	56.8	62.3	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 1500	59.4	66.1	70.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1200	59.7	66.5	70.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1000	60.3	67.7	72.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 900	60.3	69.0	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 800	60.3	69.7	74.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	61.9	70.7	76.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 600	61.9	71.9	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 500	61.9	71.9	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 400	61.9	71.9	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 300	63.2	72.6	80.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 200	63.2	72.6	80.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 100	63.2	72.6	80.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 0	63.2	72.6	80.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

12

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 18000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 16000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 14000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 12000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 10000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 9000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 8000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 7000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 6000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 5000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 4500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 4000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 3500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 3000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 2500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 2000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 1800	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 1500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 1200	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 1000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 900	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 800	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 700	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 600	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 500	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 400	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 300	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 200	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 100	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MAO
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	49.0	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.5	50.5	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	50.5	56.5	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	50.5	56.5	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	50.5	56.5	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	50.5	57.4	58.4	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 10000	50.5	59.7	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	50.5	60.3	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	50.5	62.3	63.6	64.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	50.5	62.3	63.6	64.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 6000	50.5	63.2	64.5	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	50.5	64.8	66.1	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	50.5	65.2	66.5	68.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	50.5	66.2	67.1	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	50.5	67.1	68.7	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	50.5	69.7	71.6	73.9	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	50.5	70.3	71.9	74.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2000	50.5	71.0	73.6	75.8	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	50.5	71.3	74.2	76.5	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1500	50.5	74.5	77.1	81.6	82.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1200	50.5	75.2	81.3	82.9	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000	50.5	75.5	81.7	83.6	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 900	50.5	75.8	81.3	84.2	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 800	50.5	76.1	81.6	84.5	86.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 700	50.5	76.1	81.9	85.2	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	50.5	76.2	82.2	86.1	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 500	50.5	76.4	82.9	86.5	89.7	90.3	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 400	50.5	77.1	83.9	86.1	91.9	92.6	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	50.5	77.1	83.9	86.4	92.9	93.6	94.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	50.5	77.1	83.9	86.7	93.6	94.2	94.8	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 100	50.5	77.1	83.9	86.7	93.6	94.2	94.8	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 0	50.5	77.1	83.9	86.7	93.6	94.2	94.8	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION: 71-10 MONTH: 18 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.1	47.7	47.7	49.0	44.4	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	7.1	42.3	55.2	57.1	57.4	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	57.7
≥ 18000	7.1	2.3	55.2	57.1	57.4	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
≥ 16000	7.1	2.3	55.2	57.1	57.4	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
≥ 14000	7.1	2.3	55.5	57.4	57.7	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.0
≥ 12000	7.1	3.2	55.5	57.4	57.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.3
≥ 10000	7.1	4.5	57.7	59.7	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 9000	7.1	4.5	57.7	59.7	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 8000	7.1	57.4	60.7	62.4	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2
≥ 7000	7.1	57.7	62.4	64.8	65.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.4
≥ 6000	7.1	59.7	62.9	65.2	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	68.1
≥ 5000	7.1	60.0	64.2	66.8	67.4	68.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0
≥ 4500	7.1	60.7	64.5	67.4	68.7	69.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3
≥ 4000	7.1	60.7	65.5	68.4	69.7	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3
≥ 3500	7.1	61.3	66.1	69.0	70.3	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9
≥ 3000	7.1	62.6	66.1	71.6	72.9	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5
≥ 2500	7.1	63.9	69.7	73.9	75.2	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1
≥ 2000	7.1	63.9	70.3	75.2	76.5	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4
≥ 1800	7.1	63.9	70.7	75.5	76.8	77.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.7
≥ 1500	7.1	64.2	72.3	77.4	79.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9
≥ 1200	7.1	64.5	72.6	78.1	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.7
≥ 1000	7.1	64.8	72.9	78.7	80.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9
≥ 900	7.1	64.8	72.9	79.0	81.0	82.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	84.2
≥ 800	7.1	65.1	74.2	80.3	82.3	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.2
≥ 700	7.1	65.5	74.5	81.0	83.2	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.8
≥ 600	7.1	65.5	74.5	81.0	83.2	85.2	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1	87.7
≥ 500	7.1	65.5	75.2	81.9	84.2	86.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	90.0
≥ 400	7.1	67.4	75.3	82.9	85.8	87.7	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	92.6
≥ 300	7.1	67.7	74.5	83.6	86.8	89.0	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	94.8
≥ 200	7.1	67.7	74.5	83.6	86.8	89.4	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	96.5
≥ 100	7.1	67.7	74.5	83.6	86.8	89.4	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	97.1
≥ 0	7.1	67.7	74.5	83.6	86.8	89.4	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-82

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.5	47.4	52.3	51.9	52.9	53.9	54.2	54.8	54.9	55.2	55.5	55.5	55.5	55.5	55.8	55.9
≥ 20000	5.5	51.3	53.9	55.8	56.8	57.7	58.1	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	5.1	51.3	54.2	56.1	57.1	58.1	58.4	59.0	59.0	59.4	59.7	59.7	59.7	59.7	60.0	60.0
IV 16000	5.1	51.3	54.2	56.1	57.1	58.1	58.4	59.0	59.0	59.4	59.7	59.7	59.7	59.7	60.0	60.0
IV 14000	5.1	51.6	54.5	56.5	57.4	58.4	58.7	59.4	59.4	59.7	60.0	60.0	60.0	60.0	60.3	60.3
IV 12000	5.1	52.3	55.2	57.1	59.1	59.7	59.8	60.0	60.0	60.3	60.7	60.7	60.7	60.7	61.0	61.0
IV 10000	5.1	54.2	57.1	59.4	60.3	61.3	61.6	62.3	62.3	62.6	62.9	62.9	62.9	62.9	63.2	63.2
IV 9000	5.1	54.5	57.4	59.7	60.7	61.6	61.9	62.6	62.6	62.9	63.2	63.2	63.2	63.2	63.6	63.6
IV 8000	5.1	56.5	59.4	61.9	62.9	63.9	64.5	65.2	65.2	65.5	65.8	65.8	65.8	65.8	66.1	66.1
IV 7000	5.1	58.1	61.6	63.6	64.5	65.5	66.1	66.8	66.8	67.1	67.4	67.4	67.4	67.4	67.7	67.7
IV 6000	5.1	58.4	61.3	63.9	64.8	65.8	66.5	67.1	67.1	67.4	67.7	67.7	67.7	67.7	68.1	68.1
IV 5000	5.1	59.7	62.6	65.2	66.1	67.1	67.7	68.4	68.4	68.7	69.0	69.0	69.0	69.0	69.4	69.4
IV 4500	5.1	60.7	63.6	66.1	67.1	68.4	69.0	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.7	70.7
IV 4000	5.1	61.3	64.5	67.1	68.1	69.4	70.0	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.6	71.6
IV 3500	5.1	61.6	64.8	67.4	68.4	69.7	70.7	71.3	71.3	71.6	71.9	71.9	71.9	71.9	72.3	72.3
IV 3000	5.5	62.7	66.1	68.7	69.7	71.0	71.9	72.6	72.6	72.9	73.2	73.2	73.2	73.2	73.6	73.6
IV 2500	5.5	62.9	66.5	69.0	70.0	71.3	72.3	72.9	72.9	73.2	73.6	73.6	73.6	73.6	73.9	73.9
IV 2000	5.5	64.2	68.1	70.7	71.6	72.9	73.9	74.5	74.5	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IV 1800	5.5	64.2	68.4	71.0	71.9	73.2	74.2	74.8	74.8	75.2	75.5	75.5	75.5	75.5	75.8	75.8
IV 1500	5.5	67.7	72.3	75.2	76.1	77.4	78.7	79.4	79.4	79.7	80.0	80.0	80.0	80.0	80.3	80.3
IV 1200	5.5	68.1	72.6	75.5	76.5	78.1	79.4	80.0	80.0	80.3	80.7	80.7	80.7	80.7	81.0	81.0
IV 1000	5.5	69.7	74.2	77.4	78.4	80.0	81.3	81.9	81.9	82.3	82.6	82.6	82.6	82.6	82.9	82.9
IV 900	5.5	70.7	75.2	78.4	79.4	81.0	82.3	82.9	82.9	83.2	83.6	83.6	83.6	83.6	83.9	83.9
IV 800	5.5	70.7	75.2	78.4	79.4	81.3	82.6	83.2	83.2	83.6	83.9	83.9	83.9	83.9	84.2	84.2
IV 700	5.5	70.7	75.2	78.4	79.7	81.6	82.9	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.5	84.5
IV 600	5.5	71.3	75.8	79.4	80.7	82.6	84.2	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.8	85.8
IV 500	5.5	71.9	76.5	80.0	81.3	83.2	85.2	85.8	85.8	86.1	86.5	86.5	86.5	86.5	86.8	86.8
IV 400	5.5	72.6	77.1	80.7	82.3	84.2	87.1	86.7	86.7	89.4	90.0	90.0	90.0	90.0	90.3	90.3
IV 300	5.5	72.6	77.4	81.0	83.2	85.5	88.4	90.3	90.7	91.0	91.6	91.6	91.6	91.9	92.3	92.3
IV 200	5.5	72.6	77.7	81.3	83.6	86.1	89.4	91.6	91.6	92.6	93.2	93.2	93.2	94.2	94.5	94.5
IV 100	5.5	72.6	77.7	81.3	83.6	86.1	89.7	92.6	92.6	94.2	95.2	95.2	95.2	96.4	97.4	98.1
IV 0	5.5	72.6	77.7	81.3	83.6	86.1	89.7	92.6	92.6	94.2	95.5	95.5	95.5	97.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 710

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, FLORIDA

STATION NAME

77-12

YEARS

DATE

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	46.5	42.1	44.0	43.2	45.9	46.2	46.7	46.9	47.0	47.3	47.5	47.5	47.8	47.9	48.1
≥ 20000	46.2	46.7	47.1	50.6	51.3	51.7	52.3	52.5	52.5	52.9	53.0	53.0	53.4	53.5	53.7
IV 18000	46.3	46.7	49.1	50.6	51.4	51.7	52.3	52.5	52.6	52.9	53.1	53.1	53.4	53.6	53.7
IV 16000	46.3	46.7	49.1	50.6	51.4	51.7	52.3	52.5	52.6	52.9	53.1	53.1	53.4	53.6	53.7
IV 14000	46.3	47.3	49.5	51.5	51.8	52.1	52.7	52.9	53.0	53.3	53.5	53.5	53.8	54.0	54.1
IV 12000	46.3	48.2	51.5	52.0	52.7	53.2	53.6	54.0	54.1	54.4	54.6	54.6	54.9	55.0	55.2
IV 10000	46.4	50.2	52.7	54.2	55.1	55.4	56.2	56.4	56.4	56.7	56.9	56.9	57.1	57.4	57.5
IV 9000	46.4	50.6	53.1	54.6	55.4	55.9	56.6	56.8	56.8	57.1	57.3	57.3	57.7	57.8	57.9
IV 8000	46.5	52.7	55.4	57.1	58.0	58.5	59.2	59.4	59.5	59.8	60.0	60.0	60.4	60.5	60.7
IV 7000	46.5	53.6	56.4	58.2	59.1	59.6	60.4	60.6	60.6	61.0	61.1	61.1	61.5	61.6	61.8
IV 6000	46.6	54.0	56.9	58.7	59.7	60.2	61.0	61.2	61.3	61.6	61.9	61.8	62.1	62.3	62.4
IV 5000	46.6	55.1	58.1	60.0	61.1	61.5	62.4	62.6	62.7	63.0	63.2	63.2	63.6	63.7	63.9
IV 4500	46.7	56.0	59.1	61.1	62.2	62.7	63.6	63.8	63.9	64.2	64.4	64.4	64.8	64.9	65.1
IV 4000	46.7	56.9	60.2	62.3	63.5	64.0	64.9	65.1	65.1	65.5	65.7	65.7	66.1	66.2	66.4
IV 3500	46.7	57.5	60.9	63.1	64.2	64.8	65.7	65.9	66.0	66.3	66.5	66.5	66.9	67.0	67.3
IV 3000	46.7	59.0	62.5	64.8	66.0	66.5	67.5	67.7	67.7	68.1	68.2	68.2	68.6	68.8	69.0
IV 2500	46.7	60.2	63.8	66.2	67.3	67.9	69.0	69.2	69.2	69.6	69.7	69.7	70.1	70.2	70.5
IV 2000	46.8	62.0	66.1	68.7	70.0	70.7	71.8	72.0	72.1	72.4	72.6	72.6	73.0	73.1	73.4
IV 1800	46.8	62.1	66.4	69.0	70.3	71.1	72.1	72.4	72.4	72.8	72.9	72.9	73.4	73.5	73.7
IV 1500	46.8	64.1	69.0	71.9	73.4	74.2	75.3	75.6	75.6	76.0	76.2	76.2	76.6	76.7	76.9
IV 1200	46.8	64.5	69.7	72.7	74.4	75.4	76.5	76.7	76.7	77.1	77.3	77.3	77.7	77.8	78.1
IV 1000	46.8	65.1	71.4	73.8	75.6	76.6	77.7	78.0	78.0	78.4	78.6	78.6	79.1	79.2	79.4
IV 900	46.8	65.6	71.2	74.8	76.6	77.6	78.7	79.0	79.0	79.4	79.6	79.6	80.1	80.2	80.5
IV 800	46.8	66.3	71.9	74.5	77.5	78.5	79.6	80.0	80.1	80.5	80.7	80.7	81.2	81.3	81.6
IV 700	46.8	66.6	72.4	76.3	78.5	79.5	80.7	81.0	81.1	81.5	81.7	81.7	82.2	82.3	82.6
IV 600	46.8	67.1	73.0	77.2	79.5	80.6	81.9	82.3	82.4	82.8	83.0	83.0	83.5	83.6	83.9
IV 500	46.8	67.6	73.8	78.1	80.7	81.9	83.5	84.0	84.1	84.5	84.7	84.7	85.2	85.4	85.7
IV 400	46.8	68.0	74.2	79.0	82.2	83.6	85.4	86.3	86.3	86.9	87.2	87.2	87.7	87.9	88.2
IV 300	46.8	68.3	74.7	79.8	83.6	85.3	87.5	88.7	88.8	89.7	90.0	90.0	90.5	90.8	91.1
IV 200	46.8	68.3	74.8	80.0	84.2	85.9	88.6	90.2	90.3	91.6	92.2	92.2	93.4	93.6	94.0
IV 100	46.8	68.4	74.8	80.1	84.3	86.1	88.8	90.7	90.8	92.6	93.3	93.4	94.3	94.5	94.8
IV 0	46.8	68.4	74.8	80.1	84.3	86.1	88.8	90.7	90.8	92.6	93.4	93.5	94.5	94.6	94.9

TOTAL NUMBER OF OBSERVATIONS 2490

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ACOLA, FLORIDA

72-72

YEARS

APR

MARCH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1800	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1600	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1400	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1200	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 900	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 800	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 700	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 600	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 400	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 300	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 200	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 100	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, FLORIDA STATION NAME: ASHEVILLE YEARS: 1951-1952 MONTH: APR
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.): 07

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	49.7	57.3	54.0	54.0	56.3	57.3	57.7	57.7	59.0	59.3	59.3	60.7	61.7	61.7	61.7
≥ 20000	4.7	51.7	56.0	59.0	60.0	60.3	61.3	61.7	61.7	63.0	63.3	63.3	64.7	64.7	65.3	65.3
≥ 18000	4.7	51.7	56.0	59.0	60.0	60.3	61.3	61.7	61.7	63.0	63.3	63.3	64.7	64.7	65.3	65.3
≥ 16000	4.7	51.7	56.0	59.0	60.0	60.3	61.3	61.7	61.7	63.0	63.3	63.3	64.7	64.7	65.3	65.3
≥ 14000	4.7	52.0	56.3	59.3	60.3	60.7	61.7	62.0	62.0	63.3	63.7	64.0	65.3	65.3	66.7	66.7
≥ 12000	4.7	53.0	57.7	59.7	61.7	62.0	63.0	63.3	63.3	64.7	65.0	65.3	66.7	66.7	67.3	67.3
≥ 10000	4.7	54.7	59.0	61.0	63.0	63.3	64.3	64.7	64.7	66.3	66.7	66.7	67.7	67.7	68.7	68.7
≥ 9000	4.7	54.7	59.0	61.0	63.0	63.3	64.3	64.7	64.7	66.3	66.7	66.7	67.7	67.7	68.7	68.7
≥ 8000	4.7	56.7	61.3	63.3	65.7	66.3	67.3	67.7	67.7	69.3	69.7	69.7	71.7	71.7	71.7	72.3
≥ 7000	4.7	57.3	62.0	64.0	66.3	67.0	68.0	68.3	68.7	70.3	70.3	70.3	71.7	71.7	72.3	72.3
≥ 6000	4.7	57.7	62.3	64.3	66.7	67.3	68.3	68.7	69.7	70.3	70.7	70.7	72.0	72.0	72.7	72.7
≥ 5000	4.7	58.7	63.7	65.7	68.0	68.7	69.7	70.0	70.0	71.7	72.0	72.0	73.3	73.3	74.0	74.7
≥ 4500	4.7	58.7	65.0	67.3	69.7	70.3	71.3	71.7	71.7	73.3	73.7	73.7	75.0	75.0	75.7	76.3
≥ 4000	4.7	60.3	65.3	67.7	70.0	70.7	71.7	72.0	72.0	73.7	74.0	74.0	75.3	75.3	76.0	76.7
≥ 3500	4.7	61.3	66.3	68.7	71.0	71.7	72.7	73.0	73.0	74.7	75.0	75.0	76.3	76.3	77.0	77.7
≥ 3000	4.7	62.3	67.3	69.7	72.0	72.7	73.7	74.0	74.0	75.7	76.0	76.0	77.3	77.3	78.0	78.7
≥ 2500	4.7	63.0	68.3	70.7	73.0	73.7	74.7	75.0	75.0	76.7	77.0	77.0	78.3	78.3	79.0	79.7
≥ 2000	4.7	63.7	69.0	71.3	73.7	74.3	75.3	75.7	75.7	77.3	77.7	77.7	79.0	79.0	79.7	80.3
≥ 1800	4.7	63.7	69.0	71.3	73.7	74.3	75.3	75.7	75.7	77.3	77.7	77.7	79.0	79.0	79.7	80.3
≥ 1500	4.7	64.3	71.0	74.0	76.3	77.0	78.0	78.3	78.3	80.0	80.3	80.3	81.7	81.7	82.3	83.0
≥ 1200	4.7	67.0	73.7	76.7	79.0	79.7	80.7	81.0	81.0	82.7	83.0	83.0	84.3	84.3	85.0	85.7
≥ 1000	4.7	68.3	75.7	78.7	81.0	81.7	82.7	83.0	83.0	84.7	85.0	85.0	86.3	86.3	87.0	87.7
≥ 900	4.7	68.7	76.0	79.0	81.7	82.3	83.3	83.7	83.7	85.3	85.7	85.7	87.0	87.0	87.7	88.3
≥ 800	4.7	68.7	76.3	79.3	82.0	82.7	83.7	84.0	84.0	85.7	86.0	86.0	87.3	87.3	88.0	88.7
≥ 700	4.7	69.0	76.7	79.7	83.0	83.7	84.7	85.0	85.0	86.7	87.0	87.0	88.3	88.3	89.0	89.7
≥ 600	4.7	69.0	77.0	80.7	84.0	84.7	86.0	86.3	86.3	88.0	88.3	88.3	89.7	89.7	90.3	91.0
≥ 500	4.7	70.0	78.0	81.7	85.0	85.7	87.3	87.7	87.7	89.3	89.7	89.7	91.0	91.0	91.7	92.3
≥ 400	4.7	70.0	78.7	82.3	86.0	86.7	88.3	88.7	88.7	90.3	90.7	90.7	92.0	92.0	92.7	93.3
≥ 300	4.7	71.0	79.0	82.7	87.0	87.7	89.3	89.7	89.7	91.3	91.7	91.7	93.0	93.0	93.7	94.3
≥ 200	4.7	71.0	79.0	82.7	87.3	88.0	89.7	89.7	90.0	92.3	92.3	92.3	93.7	93.7	94.3	95.0
≥ 100	4.7	71.0	79.0	82.7	87.3	88.0	89.7	89.7	90.0	92.3	92.3	92.3	93.7	93.7	94.3	95.0
≥ 0	4.7	71.0	79.0	82.7	87.3	88.0	89.7	89.7	90.0	92.3	92.3	92.3	93.7	93.7	94.3	95.0

TOTAL NUMBER OF OBSERVATIONS: 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION: 73-1 YEARS: MONTH: HOURS (L & T):

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.0	77.0	41.0	44.3	47.0	47.0	50.0	0.3	50.7	51.3	51.3	51.3	51.7	52.0	52.0	53.3
≥ 20000	2.0	79.7	44.0	47.7	51.3	51.7	54.0	0.7	54.7	55.7	55.7	55.7	56.0	56.7	57.3	57.7
IV 18000	2.0	79.7	44.0	47.7	51.3	51.7	54.0	0.7	54.7	55.7	55.7	55.7	56.0	56.7	57.3	57.7
IV 16000	2.0	79.7	44.0	47.7	51.3	51.7	54.0	0.7	54.7	55.7	55.7	55.7	56.0	56.7	57.3	57.7
IV 14000	2.0	80.0	44.0	48.0	51.7	52.0	54.3	0.7	55.0	56.0	56.0	56.0	56.0	57.0	57.7	58.0
IV 12000	2.0	81.3	45.0	49.7	53.3	53.7	56.0	0.7	56.7	57.7	57.7	57.7	58.0	58.7	59.3	59.7
IV 10000	2.0	83.0	46.0	51.3	55.0	55.7	58.0	0.7	58.7	59.7	59.7	60.0	60.0	60.3	61.0	61.7
IV 9000	2.0	83.0	46.0	51.3	55.0	55.7	58.0	0.7	58.7	59.7	59.7	60.0	60.0	60.3	61.0	61.7
IV 8000	2.0	84.0	47.0	52.0	57.0	57.7	60.0	0.7	60.7	61.7	61.7	62.0	62.0	62.3	63.0	63.7
IV 7000	2.0	85.0	50.0	53.7	57.7	58.0	60.3	1.0	61.0	62.0	62.0	62.3	62.3	62.7	63.3	64.0
IV 6000	2.0	85.0	50.0	53.7	57.7	58.0	60.3	1.0	61.0	62.0	62.0	62.3	62.3	62.7	63.3	64.0
IV 5000	2.0	85.0	50.0	54.0	57.7	58.0	61.0	2.0	62.0	63.0	63.0	63.3	63.3	63.7	64.3	65.0
IV 4500	2.0	86.0	51.0	55.7	57.7	58.0	62.3	3.0	63.0	64.0	64.0	64.7	64.7	65.0	65.7	66.3
IV 4000	2.0	87.0	52.0	57.7	61.0	62.0	64.3	3.0	65.0	66.0	66.0	66.7	66.7	67.0	67.7	68.3
IV 3500	2.0	87.0	53.0	56.3	62.3	63.0	65.3	6.0	66.3	67.3	67.3	67.7	67.7	68.0	68.7	69.7
IV 3000	2.0	88.0	54.0	60.0	64.3	65.3	67.7	8.0	68.7	69.7	69.7	70.0	70.0	70.3	71.0	71.7
IV 2500	2.0	88.0	56.3	62.0	66.3	67.3	69.7	11.0	70.7	71.7	71.7	72.0	72.0	72.3	73.0	73.7
IV 2000	2.0	89.0	56.7	62.7	67.0	68.0	71.0	12.0	72.0	73.0	73.0	73.3	73.3	73.7	74.3	75.0
IV 1800	2.0	89.0	56.7	63.0	67.7	68.7	72.0	13.0	74.0	74.3	74.3	74.3	74.3	74.7	75.3	76.0
IV 1500	2.0	89.0	58.0	65.3	70.0	71.0	74.7	15.0	75.7	75.7	76.7	77.0	77.0	77.3	78.0	78.7
IV 1200	2.0	89.0	59.0	67.0	72.0	73.0	76.7	17.0	77.7	77.7	78.7	79.0	79.0	79.3	80.0	80.7
IV 1000	2.0	89.0	60.0	68.0	74.0	75.3	79.0	19.0	80.0	81.0	81.0	81.3	81.3	82.0	83.0	84.7
IV 900	2.0	89.0	61.0	68.3	74.3	76.0	79.7	20.0	82.0	82.0	82.0	82.0	82.0	82.7	83.3	84.0
IV 800	2.0	89.0	61.0	69.3	74.7	76.3	80.0	21.0	81.0	81.0	82.0	82.3	82.3	83.0	83.7	84.3
IV 700	2.0	89.0	61.0	69.3	74.7	76.3	80.0	21.0	81.0	81.0	82.0	82.3	82.3	83.0	83.7	84.3
IV 600	2.0	89.0	61.0	69.7	76.0	77.7	81.3	22.0	82.7	82.7	83.7	84.0	84.0	84.7	85.3	86.0
IV 500	2.0	89.0	61.0	70.7	77.7	78.0	83.7	25.0	85.0	85.0	86.0	86.3	86.3	87.0	87.7	88.0
IV 400	2.0	89.0	62.0	72.0	79.0	81.3	85.3	27.0	87.0	87.0	88.0	88.3	88.3	89.0	89.7	90.0
IV 300	2.0	89.0	62.0	72.0	79.0	81.3	85.3	27.0	87.0	87.0	88.0	88.3	88.3	89.0	89.7	90.0
IV 200	2.0	89.0	62.0	72.0	79.0	81.3	85.3	27.0	87.0	87.0	88.0	88.3	88.3	89.0	89.7	90.0
IV 100	2.0	89.0	62.0	72.0	79.0	81.3	85.3	27.0	87.0	87.0	88.0	88.3	88.3	89.0	89.7	90.0
IV 0	2.0	89.0	62.0	72.0	79.0	81.3	85.3	27.0	87.0	87.0	88.0	88.3	88.3	89.0	89.7	90.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
18000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
16000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
14000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
12000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
10000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
8000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
7000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
5000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
4500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
4000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
3500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
3000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
900	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
800	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
700	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
600	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
400	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
300	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
200	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
100	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH 12
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4500	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3500	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2500	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1800	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1500	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1200	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1000	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 900	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 800	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 700	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 600	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 500	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 400	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 300	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 200	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 100	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 0	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	4.0	5.0	57.3	57.7	8.0	57.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	2.7	6.0	56.7	67.0	10.0	67.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

2 F

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)71
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	5.7	62.7	65.7	66.7	67.7	7.7	68.7	7.7	69.7	7.7	63.7	66.7	67.7	68.7	69.7
≥ 20000	5.7	66.7	67.7	71.7	72.7	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 18000	5.7	66.7	67.7	71.7	72.7	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 16000	5.7	67.7	68.7	71.7	72.7	72.7	73.7	73.7	73.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	5.7	67.7	68.7	71.7	72.7	72.7	73.7	73.7	73.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	5.7	67.7	68.7	72.7	73.7	73.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	5.7	69.7	70.7	74.7	75.7	75.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 9000	5.7	69.7	70.7	74.7	75.7	75.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 8000	5.7	71.7	72.7	76.7	77.7	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	5.7	71.7	72.7	76.7	77.7	77.7	78.7	78.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 6000	5.7	71.7	72.7	76.7	77.7	77.7	78.7	78.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 5000	5.7	71.7	72.7	76.7	77.7	77.7	78.7	78.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	5.7	72.7	74.7	78.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	5.7	74.7	76.7	81.7	81.7	82.7	82.7	82.7	82.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	5.7	75.7	77.7	82.7	83.7	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	5.7	76.7	77.7	82.7	83.7	83.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	5.7	76.7	78.7	83.7	84.7	84.7	85.7	85.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	5.7	77.7	79.7	84.7	85.7	85.7	86.7	86.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	5.7	77.7	79.7	84.7	85.7	85.7	86.7	86.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	5.7	77.7	79.7	84.7	85.7	85.7	86.7	86.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	5.7	77.7	81.7	85.7	87.7	87.7	88.7	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1000	5.7	78.7	81.7	86.7	88.7	88.7	89.7	89.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 800	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 700	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 600	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 500	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 400	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 300	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 200	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 100	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 0	5.7	78.7	82.7	87.7	89.7	89.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

700

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEARS

APC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	2.1	57.5	57.3	59.5	58.7	59.3	59.5	59.5	59.8	59.8	59.8	59.8	60.1	60.2	60.4
≥ 20000	7.7	57.8	61.0	63.0	64.3	64.6	65.3	65.4	65.4	65.8	65.8	65.8	65.8	66.0	66.1	66.3
IV 18000	7.7	57.8	61.0	63.0	64.3	64.6	65.3	65.4	65.4	65.8	65.8	65.8	65.8	66.0	66.1	66.3
IV 16000	7.7	57.7	61.0	63.1	64.4	64.7	65.3	65.5	65.5	65.8	65.9	65.9	65.9	66.1	66.2	66.6
IV 14000	7.7	58.3	61.5	63.5	64.8	65.1	65.8	65.9	65.9	66.3	66.3	66.3	66.5	66.6	66.8	67.0
IV 12000	7.7	59.6	63.1	65.1	66.5	66.8	67.4	67.6	67.6	68.0	68.0	68.0	68.3	68.3	68.5	68.8
IV 10000	7.8	61.4	64.7	67.1	68.5	68.8	69.5	69.6	69.6	70.0	70.1	70.1	70.3	70.4	70.6	70.8
IV 9000	7.8	61.5	65.0	67.2	68.5	68.8	69.5	69.7	69.7	70.1	70.2	70.2	70.4	70.5	70.7	70.9
IV 8000	7.8	63.4	67.1	69.4	70.9	71.3	71.9	72.1	72.1	72.5	72.6	72.6	72.8	72.9	73.0	73.3
IV 7000	7.8	64.0	67.7	70.0	71.5	72.0	72.6	72.8	72.8	73.2	73.3	73.3	73.5	73.6	73.8	74.0
IV 6000	7.8	64.0	67.8	70.1	71.5	72.0	72.7	72.9	72.9	73.3	73.4	73.4	73.6	73.7	73.8	74.1
IV 5000	7.8	65.1	68.9	71.3	72.4	73.3	73.9	74.1	74.1	74.5	74.6	74.6	74.8	74.9	75.1	75.3
IV 4500	7.8	66.1	71.1	73.5	74.0	74.5	75.2	75.4	75.4	75.8	75.9	75.9	76.1	76.2	76.3	76.6
IV 4000	7.8	66.7	71.9	73.6	75.2	75.7	76.4	76.6	76.6	77.0	77.1	77.1	77.3	77.4	77.5	77.8
IV 3500	7.8	67.4	71.8	74.5	76.1	76.5	77.3	77.5	77.5	77.9	78.0	78.0	78.2	78.3	78.5	78.7
IV 3000	7.8	68.7	73.1	76.0	77.6	78.3	79.0	79.3	79.3	79.7	79.8	79.8	80.0	80.1	80.2	80.5
IV 2500	7.8	69.0	74.2	77.3	79.0	79.7	80.5	80.7	80.7	81.1	81.2	81.2	81.4	81.5	81.7	81.9
IV 2000	7.8	70.0	75.1	78.5	80.2	80.8	81.8	82.0	82.0	82.4	82.5	82.5	82.7	82.8	83.0	83.2
IV 1800	7.8	70.4	75.3	78.6	80.4	81.1	82.0	82.3	82.3	82.8	82.8	82.8	83.0	83.1	83.3	83.5
IV 1500	7.8	71.0	77.2	81.0	82.9	83.5	84.6	84.9	84.9	85.3	85.4	85.4	85.6	85.7	85.8	86.1
IV 1200	7.8	72.7	78.7	82.6	84.8	85.4	86.5	86.8	86.8	87.2	87.3	87.3	87.5	87.6	87.8	88.0
IV 1000	7.8	73.4	79.3	83.9	86.3	87.0	88.1	88.4	88.4	88.8	88.9	88.9	89.2	89.3	89.4	89.7
IV 900	7.8	73.9	80.0	84.7	87.2	88.0	89.1	89.4	89.4	89.8	89.9	89.9	90.1	90.2	90.4	90.6
IV 800	7.8	74.2	80.5	85.3	87.9	88.8	89.9	90.2	90.2	90.6	90.7	90.7	91.0	91.0	91.2	91.5
IV 700	7.8	74.5	81.0	85.9	88.7	89.5	90.7	91.0	91.0	91.4	91.5	91.5	91.8	91.9	92.1	92.3
IV 600	7.8	74.5	81.4	86.6	89.5	90.4	91.5	92.0	92.0	92.4	92.5	92.5	92.8	92.8	93.0	93.3
IV 500	7.8	75.2	82.0	87.3	90.5	91.5	92.8	93.2	93.2	93.6	93.7	93.7	94.0	94.1	94.3	94.5
IV 400	7.8	75.4	82.3	88.0	91.5	92.5	94.0	94.6	94.6	95.1	95.2	95.2	95.5	95.5	95.8	96.0
IV 300	7.8	75.6	82.6	88.5	92.2	93.5	95.1	95.7	95.8	96.4	96.5	96.5	96.8	96.8	97.1	97.3
IV 200	7.8	75.6	82.7	88.6	92.4	93.7	95.6	96.2	96.3	97.0	97.3	97.3	97.7	97.8	98.0	98.2
IV 100	7.8	75.6	82.7	88.6	92.4	93.8	95.7	96.4	96.5	97.4	97.8	97.8	98.3	98.4	98.8	99.3
IV 0	7.8	75.6	82.7	88.6	92.5	93.8	95.7	96.4	96.5	97.4	97.8	97.8	98.3	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 756

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DAVACO, FLORIDA

73-2

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

60
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 3/8	≥ 3/8	≥ 5/16	≥ 1/4
NO CEILING	4.5	61.0	66.1	67.7	68.4	68.7	69.3	69.0	69.0	69.7	69.7	69.7	69.7	69.7	70.0	70.0
≥ 20000	4.5	67.4	72.4	74.2	74.8	75.2	75.0	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.8	76.8
IV 18000	4.5	67.4	72.4	74.2	74.8	75.2	75.0	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.8	76.8
IV 16000	4.5	67.4	72.4	74.2	74.8	75.2	75.0	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.8	76.8
IV 14000	4.5	67.7	72.9	74.5	75.2	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.1	77.1	77.1
IV 12000	4.5	67.7	72.9	74.5	75.2	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.1	77.1	77.1
IV 10000	4.5	69.7	74.8	76.5	77.1	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0
IV 9000	4.5	69.7	74.8	76.5	77.1	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0
IV 8000	4.5	72.9	76.8	80.0	80.7	81.0	81.6	81.6	81.6	82.3	82.3	82.3	82.3	82.6	82.6	82.6
IV 7000	4.5	73.2	77.7	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.9	82.9	82.9
IV 6000	4.5	73.9	78.4	81.0	81.6	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.6	83.6	83.6
IV 5000	4.5	74.2	79.7	81.3	81.9	82.3	82.9	82.9	82.9	83.6	83.6	83.6	83.6	83.9	83.9	83.9
IV 4500	4.5	74.5	80.0	81.6	82.6	82.9	83.6	83.6	83.6	84.2	84.2	84.2	84.2	84.5	84.5	84.5
IV 4000	4.5	74.8	80.3	81.9	82.9	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.8	84.8	84.8
IV 3500	4.5	75.2	80.7	82.3	83.2	83.6	84.2	84.2	84.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2
IV 3000	4.5	76.1	81.0	83.6	84.5	84.8	85.5	85.5	85.5	86.1	86.1	86.1	86.1	86.5	86.5	86.5
IV 2500	4.5	76.5	81.3	83.6	84.8	85.2	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.8	86.8	86.8
IV 2000	4.5	76.4	81.5	83.6	84.8	85.2	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.8	86.8	86.8
IV 1800	4.5	78.7	84.8	86.5	87.4	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.4	89.4	89.4
IV 1500	4.5	78.7	84.8	86.5	87.4	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.4	89.4	89.4
IV 1200	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 1000	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 900	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 800	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 700	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 600	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 500	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 400	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 300	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 200	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 100	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6
IV 0	4.5	81.0	87.1	88.7	89.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	3.2	47.7	54.2	57.7	59.7	59.0	61.0	61.9	61.9	62.9	62.9	62.9	63.2	63.2	63.2	63.2
≥ 20000	3.2	52.9	67.7	64.8	66.1	66.5	69.7	69.7	69.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0
IV 18000	3.2	52.9	67.7	64.8	66.1	66.5	68.7	69.7	69.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0
IV 16000	3.2	52.9	67.7	64.8	66.1	66.5	68.7	69.7	69.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0
IV 14000	3.2	53.2	61.0	65.2	66.5	66.8	69.0	70.0	70.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3
IV 12000	3.2	53.2	61.0	65.8	67.1	67.4	69.7	70.7	70.7	71.6	71.6	71.6	71.9	71.9	71.9	71.9
IV 10000	3.2	56.1	63.9	68.1	69.4	69.7	71.9	72.9	72.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2
IV 9000	3.2	56.1	63.9	68.1	69.4	69.7	71.9	72.9	72.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2
IV 8000	3.6	59.4	67.4	71.6	72.9	73.2	75.5	76.5	76.5	77.4	77.4	77.4	77.7	77.7	77.7	77.7
IV 7000	3.6	59.7	67.7	71.9	73.2	73.6	75.8	76.8	76.8	77.7	77.7	77.7	78.1	78.1	78.1	78.1
IV 6000	3.6	59.7	67.7	71.9	73.2	73.6	75.8	76.8	76.8	77.7	77.7	77.7	78.1	78.1	78.1	78.1
IV 5000	3.6	61.0	69.0	73.2	74.5	74.8	77.1	78.1	78.1	79.0	79.0	79.0	79.4	79.4	79.4	79.4
IV 4500	3.6	61.0	69.0	73.2	74.5	74.8	77.1	78.1	78.1	79.0	79.0	79.0	79.4	79.4	79.4	79.4
IV 4000	3.6	61.6	69.7	73.9	75.2	75.5	77.7	78.7	78.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0
IV 3500	3.6	61.9	70.0	74.2	75.5	75.8	78.1	79.0	79.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3
IV 3000	3.6	61.9	70.0	74.2	75.5	75.8	78.1	79.0	79.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3
IV 2500	3.6	62.3	70.3	74.5	75.8	76.1	78.4	79.4	79.4	80.3	80.3	80.3	80.7	80.7	80.7	80.7
IV 2000	3.6	63.6	71.9	76.1	77.4	77.7	80.0	81.0	81.0	81.9	81.9	81.9	82.3	82.3	82.3	82.3
IV 1800	3.6	63.9	72.3	76.5	77.7	78.1	80.3	81.3	81.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6
IV 1500	3.6	65.5	73.9	78.1	79.4	79.7	81.9	82.9	82.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2
IV 1200	3.6	66.5	74.8	79.0	80.7	81.0	83.2	84.2	84.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5
IV 1000	3.6	68.1	76.5	81.0	82.6	82.9	85.2	86.1	86.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4
IV 900	3.6	69.7	77.1	81.6	83.2	83.6	85.8	86.8	86.8	87.7	87.7	87.7	88.1	88.1	88.1	88.1
IV 800	3.6	69.7	77.1	82.6	84.2	84.5	86.8	87.7	87.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0
IV 700	3.6	70.7	79.0	83.9	85.8	86.1	88.4	89.4	89.4	90.3	90.3	90.3	90.7	90.7	90.7	90.7
IV 600	3.6	71.3	80.0	84.8	87.1	87.4	89.7	90.7	90.7	91.6	91.6	91.6	91.9	91.9	91.9	91.9
IV 500	3.6	72.3	81.0	86.1	88.7	89.0	91.3	92.3	92.3	93.2	93.2	93.2	93.6	93.6	93.6	93.6
IV 400	3.6	72.9	81.6	86.8	89.7	90.3	92.9	93.9	93.9	95.8	95.8	95.8	96.1	96.1	96.1	96.1
IV 300	3.6	73.6	82.6	87.7	90.7	91.3	94.2	95.2	95.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7
IV 200	3.6	73.6	82.6	87.7	90.7	91.3	94.2	95.2	95.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7
IV 100	3.6	73.6	82.6	87.7	91.3	91.6	94.5	95.5	95.5	97.7	98.1	98.1	98.7	98.7	98.7	98.7
IV 0	3.6	73.6	82.6	87.7	91.3	91.6	94.5	95.5	95.5	97.7	98.1	98.1	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

110

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PACOLA, FLORIDA

STATION NAME

73-12

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)76
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	26.1	34.8	42.9	50.0	52.3	53.6	55.8	55.9	57.7	58.1	58.1	58.1	58.1	58.1	58.4
≥ 20000	1.0	30.3	42.0	48.7	55.5	58.4	59.7	61.9	61.9	63.9	64.2	64.2	64.5	64.5	64.5	64.8
IV 18000	1.0	30.3	42.0	48.7	55.5	58.4	59.7	61.9	62.3	64.2	64.5	64.5	64.8	64.8	64.8	65.2
IV 16000	1.0	30.3	42.0	49.0	56.1	58.7	60.0	62.3	62.6	64.5	64.8	64.8	65.2	65.2	65.2	65.5
IV 14000	1.0	31.0	42.7	49.4	56.8	59.4	61.0	63.2	63.4	65.5	65.8	65.8	66.1	66.1	66.1	66.5
IV 12000	1.0	31.0	41.0	51.0	52.4	61.0	62.6	64.8	65.2	67.1	67.4	67.4	67.7	67.7	67.7	68.1
IV 10000	1.0	33.3	43.0	52.9	60.3	63.2	64.8	67.1	67.4	69.4	69.7	69.7	70.3	70.3	70.3	70.7
IV 9000	1.0	33.3	43.0	52.9	60.3	63.2	64.8	67.1	67.4	69.4	69.7	69.7	70.3	70.3	70.3	70.7
IV 8000	1.0	36.5	47.4	56.5	64.2	67.1	68.7	71.0	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.5
IV 7000	1.0	36.5	47.7	57.1	64.8	67.7	69.4	71.9	72.3	74.5	74.8	74.8	75.5	75.5	75.5	75.8
IV 6000	1.0	37.4	47.4	57.7	65.5	68.4	70.0	72.6	72.9	75.2	75.5	75.5	76.1	76.1	76.1	76.5
IV 5000	1.0	37.7	49.0	59.4	67.4	70.3	71.9	74.5	74.8	77.1	77.4	77.4	78.1	78.1	78.1	78.4
IV 4500	1.0	38.1	49.4	59.7	67.7	70.7	72.3	75.2	75.5	77.7	78.1	78.1	78.7	78.7	78.7	79.0
IV 4000	1.0	38.1	49.7	60.0	68.7	71.6	73.2	76.1	76.5	78.7	79.0	79.0	79.7	79.7	79.7	80.1
IV 3500	1.0	38.4	50.0	60.3	69.0	71.9	73.6	76.5	76.8	79.0	79.4	79.4	80.0	80.0	80.0	80.3
IV 3000	1.0	39.0	50.7	61.0	69.7	72.6	74.2	77.1	77.4	79.7	80.0	80.0	80.7	80.7	80.7	81.0
IV 2500	1.0	41.0	52.6	63.2	71.9	74.8	76.5	79.4	79.7	82.3	82.9	82.9	83.6	83.6	83.6	83.9
IV 2000	1.0	42.3	54.2	64.8	73.6	76.5	78.1	81.0	81.3	83.9	84.5	84.5	85.2	85.2	85.2	85.5
IV 1800	1.0	42.6	54.5	65.2	74.2	77.1	78.7	81.6	81.9	84.5	85.2	85.2	85.8	85.8	85.8	86.1
IV 1500	1.0	44.1	56.8	67.4	76.5	79.4	81.0	83.9	84.2	86.8	87.4	87.4	88.1	88.1	88.1	88.4
IV 1200	1.0	45.2	57.1	67.7	76.8	80.0	81.6	84.5	84.8	87.4	88.1	88.1	88.7	88.7	88.7	89.0
IV 1000	1.0	46.1	58.4	69.4	78.4	81.6	83.2	86.1	86.5	89.0	89.7	89.7	90.3	90.3	90.3	90.7
IV 900	1.0	46.7	59.4	70.7	79.7	82.9	84.5	87.4	87.7	90.3	91.3	91.3	91.9	91.9	91.9	92.3
IV 800	1.0	47.1	59.7	71.0	80.3	83.6	85.2	88.1	88.4	91.3	91.9	91.9	92.6	92.6	92.6	92.9
IV 700	1.0	47.4	60.0	71.6	81.0	84.5	86.1	89.0	89.4	92.3	92.9	92.9	93.6	93.6	93.6	93.9
IV 600	1.0	47.7	60.3	71.9	81.3	84.8	86.5	89.4	89.7	92.6	93.2	93.2	93.9	93.9	93.9	94.2
IV 500	1.0	48.1	61.0	72.9	82.6	86.1	88.1	91.3	91.6	94.5	95.2	95.2	95.8	95.8	95.8	96.1
IV 400	1.0	48.1	61.3	73.2	83.2	86.8	88.7	91.9	92.3	95.2	95.8	95.8	96.5	96.5	96.5	96.8
IV 300	1.0	48.4	61.6	73.6	84.5	88.1	90.0	93.2	93.6	96.5	97.1	97.1	97.7	97.7	97.7	98.1
IV 200	1.0	48.4	61.6	73.6	84.8	88.4	90.3	93.6	94.0	96.8	97.4	97.4	98.1	98.1	98.1	98.4
IV 100	1.0	48.4	61.6	73.6	84.8	88.4	90.3	93.6	94.2	97.4	98.1	98.1	98.7	98.7	98.7	99.0
IV 0	1.0	48.4	61.6	73.6	84.8	88.4	90.3	93.6	94.2	97.4	98.1	98.1	98.7	98.7	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION Y 6 PENAPAULA, FLORIDA STATION NAME 73-1 YEARS 44 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	2.7	1.7	55.7	5.7	61.3	1.3	61.3	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	2.7	1.7	55.7	5.7	61.3	1.3	61.3	1.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	2.7	54.7	59.7	62.9	65.7	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 16000	2.7	54.7	59.7	62.9	65.7	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 14000	2.7	55.2	61.7	63.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 12000	2.7	56.5	61.7	64.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	2.7	58.7	63.6	67.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	2.7	59.0	63.6	67.1	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	2.7	61.0	66.5	70.0	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	2.7	61.0	66.5	70.0	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	2.7	61.0	67.4	71.0	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	2.7	62.6	68.1	71.6	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4500	2.7	62.9	69.7	72.3	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4000	2.7	63.6	69.4	72.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3500	2.7	63.9	69.7	73.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	2.7	64.2	70.0	73.9	76.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	2.7	65.8	72.3	76.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	2.7	67.7	74.2	78.1	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	2.7	69.7	75.5	79.4	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1500	2.7	71.2	79.4	82.6	85.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1200	2.7	72.9	81.7	84.8	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000	2.7	73.4	82.6	86.8	89.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 900	2.7	74.5	83.6	87.7	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 800	2.7	74.8	83.9	88.4	91.9	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 700	2.7	75.5	85.2	89.7	93.6	94.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	2.7	76.1	85.8	90.3	94.5	95.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	2.7	76.1	86.5	91.0	95.5	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	2.7	76.1	86.5	91.0	95.5	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	2.7	76.1	86.5	91.0	95.5	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	2.7	76.1	86.5	91.0	95.5	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	2.7	76.1	86.5	91.0	95.5	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	2.7	76.1	86.5	91.0	95.5	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	3.0	53.0	56.1	57.4	57.7	56.1	55.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	3.0	65.0	67.4	69.0	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	3.0	65.0	67.4	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	3.0	65.0	67.4	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	3.0	65.0	67.7	69.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	3.0	65.0	70.3	72.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	3.0	69.4	71.9	74.2	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	3.0	69.4	71.9	74.2	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 8000	3.0	72.3	75.2	77.7	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	3.0	72.3	75.2	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	3.0	73.2	76.1	78.7	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 5000	3.0	74.5	77.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	3.0	74.5	77.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	3.0	75.2	79.7	81.3	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3300	3.0	75.2	79.7	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	4.0	77.7	81.3	83.9	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	4.0	79.7	83.9	86.5	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 500	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 400	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 300	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 200	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 100	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 0	4.0	80.7	85.5	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.8	57.1	54.7	52.3	49.4	54.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	66.1	66.4	71.0	72.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1800	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1500	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1200	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1000	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 900	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 800	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 700	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 600	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 500	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 400	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 300	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 200	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 100	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 0	66.1	66.4	71.0	72.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3

TOTAL NUMBER OF OBSERVATIONS

11

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
ASHEVILLE, FLORIDA

YEARS

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.5	64.2	59.1	64.4	56.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	4.5	64.2	69.7	69.4	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	4.5	64.2	69.7	69.4	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	4.5	64.2	69.7	69.4	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	4.5	64.2	69.7	70.0	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	4.5	65.8	70.7	71.0	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 10000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1200	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 900	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 700	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 500	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 300	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 100	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	4.5	66.0	70.2	70.8	76.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	4.7	62.7	63.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 18000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 16000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 14000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 12000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 10000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 8000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 6000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2500	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1800	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1500	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1000	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 900	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 800	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 700	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 600	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 500	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 400	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 300	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 200	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 100	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 0	5.7	58.7	71.7	73.7	74.7	74.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)PER
HOURS (L.S.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.4	55.6	58.2	58.2	60.1	60.1	61.2	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4500	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3500	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2500	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1800	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1500	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1200	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1000	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 900	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 800	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 700	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 600	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 500	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 400	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 300	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 200	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 100	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 0	1.0	55.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS

2442

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 20000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 18000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 16000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 14000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 12000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 10000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 9000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 8000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 7000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	100.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		22.7	21.7	21.3	24.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000		27.7	27.3	26.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 18000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 16000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 14000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 12000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 10000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 9000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 8000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 7000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 6000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 5000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 4500		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 4000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 3500		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 3000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 2500		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 2000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 1800		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 1500		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 1200		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 1000		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 900		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 800		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 700		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 600		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 500		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 400		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 300		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 200		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 100		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3
IV 0		27.7	25.7	24.3	22.7	24.3	24.3	24.7	24.7	27.3	27.3	27.3	27.3	27.3	27.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

79
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	6.7	24.7	48.3	64.7	68.1	67.7	51.7	34.7	24.7	16.7	10.7	6.7	4.7	3.7	1.7
≥ 20000	1.7	6.7	72.7	74.1	74.3	70.3	76.1	74.1	70.3	70.7	74.7	74.3	74.3	74.3	74.3	74.3
≥ 18000	1.7	6.7	77.1	78.3	74.7	76.7	70.7	71.7	70.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 16000	1.7	6.7	77.1	78.3	74.7	76.7	74.7	71.7	70.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000	1.7	6.7	77.1	78.3	74.7	76.7	74.7	71.7	70.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000	1.7	6.7	77.1	78.3	74.7	76.7	74.7	71.7	70.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	1.7	12.7	77.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 9000	1.7	12.7	77.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 8000	1.7	15.1	81.7	81.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 7000	1.7	15.1	81.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 6000	1.7	15.1	81.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 5000	1.7	15.1	81.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1500	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 900	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 800	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 700	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 600	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 500	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 400	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 300	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 200	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 100	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 0	1.7	15.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7

TOTAL NUMBER OF OBSERVATIONS

79

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.0	40.7	60.7	60.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 20000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 10000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 5000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 4500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 4000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 2500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 2000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1800	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1200	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 900	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 800	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 700	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 600	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 400	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 300	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 200	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 100	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	53.7	65.7	67.7	67.7	48.0	68.0	44.0	69.7	50.0	69.7	68.0	69.7	68.0	68.0	48.0
IV 20000	1.7	79.0	82.0	83.7	84.3	84.7	89.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 18000	1.7	79.3	82.3	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 16000	1.7	79.3	82.3	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 14000	1.7	80.0	83.3	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 12000	1.7	80.0	85.3	87.0	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 10000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 9000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 8000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 7000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 6000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 5000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 4500	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 4000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3500	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2500	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1000	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 600	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 400	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 300	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 200	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 100	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 0	1.7	84.7	88.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	4.7	5.7	7.7	11.3	14.7	4.7	5.7	4.7	5.7	4.7	5.7	4.7	5.7	4.7	4.7
≥ 20000	4.7	5.7	7.7	11.3	14.7	4.7	5.7	4.7	5.7	4.7	5.7	4.7	5.7	4.7	4.7
IV 18000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 16000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 14000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 12000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 10000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 9000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 8000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 7000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 6000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 5000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 4500	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 4000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 3500	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 3000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 2500	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 2000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1800	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1500	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1200	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1000	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 900	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 800	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 700	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 600	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 500	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 400	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 300	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 200	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 100	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 0	4.7	7.7	7.7	61.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	67.7	72.0	72.7	71.0	71.0	71.3	71.3	71.4	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 20000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 18000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 16000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 14000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 12000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 10000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 9000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 8000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 7000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 6000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4500	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1800	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1500	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1200	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1000	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 900	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 800	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 700	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 600	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 500	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 400	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 300	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 200	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 100	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 0	4.3	74.3	82.0	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

ALL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 20000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 18000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 10000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 8000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1000	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 900	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 800	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 700	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 600	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 500	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 400	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 300	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 200	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 100	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 0	72.4	76.5	79.3	81.0	81.5	81.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, FLORIDA STATION: 11-1 YEARS: 1961 MONTH: JUL
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L S T): 11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.1	75.7	67.9	75.7	71.3	71.3	71.3	71.3	71.7	71.3	71.3	71.3	71.7	71.3	71.7	71.3
≥ 20000	6.1	76.5	81.7	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 18000	6.1	76.5	81.7	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 16000	6.1	76.5	81.7	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 14000	6.1	76.5	81.7	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 12000	7.9	75.7	83.2	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 10000	7.9	81.0	88.1	88.1	87.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 9000	7.9	82.3	88.1	88.1	87.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 8000	7.9	84.8	88.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 7000	7.9	85.8	88.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 6000	7.9	85.8	88.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 5000	7.9	85.8	88.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4500	7.9	86.1	91.0	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 4000	7.9	86.1	91.0	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 3500	7.9	86.1	91.0	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 3000	7.9	86.1	91.0	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2000	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 300	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	7.9	87.1	91.0	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS: 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.2	66.7	77.3	82.3	77.2	73.4	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 18000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 16000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 14000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 12000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 10000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 9000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 8000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 7000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 5000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4500	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2500	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1800	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1500	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1200	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1000	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 900	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 800	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 700	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 600	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 500	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 400	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 300	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 200	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 100	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 0	74.5	79.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	5.0	5.0	63.0	63.0	68.7	69.0	69.7	67.7	70.7	70.0	70.7	70.0	71.7	71.0
≥ 20000	1.0	1.0	5.0	5.0	62.9	63.0	73.9	74.5	77.1	77.1	77.7	78.1	78.1	78.4	78.4	78.4
IV 18000	1.0	40.1	54.1	63.2	71.6	74.2	76.8	77.4	77.4	78.1	78.4	78.4	78.4	78.7	78.7	78.7
IV 14000	1.0	40.0	54.0	63.6	71.9	74.5	77.1	77.7	77.7	78.4	78.7	78.7	78.7	79.0	79.0	79.0
IV 14000	1.0	40.0	57.1	64.5	72.9	75.5	78.1	78.7	78.7	79.4	79.7	79.7	79.7	80.0	80.0	80.0
IV 12000	1.0	40.7	57.8	67.1	76.1	78.7	81.3	81.9	81.9	82.6	82.9	82.9	82.9	83.2	83.2	83.2
IV 10000	1.0	1.0	62.3	70.3	79.4	81.9	84.5	85.2	85.2	85.7	85.8	86.1	86.1	86.5	86.5	86.5
IV 9000	1.0	1.0	62.3	70.0	78.4	81.9	84.5	85.2	85.2	85.7	85.8	86.1	86.1	86.5	86.5	86.5
IV 8000	1.0	2.0	63.6	71.3	80.7	83.2	85.8	86.5	86.5	87.1	87.4	87.4	87.4	87.7	87.7	87.7
IV 7000	1.0	3.2	63.9	71.9	81.7	83.9	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.4	88.4
IV 6000	1.0	3.0	63.9	71.9	81.5	84.2	86.8	87.4	87.4	88.1	88.4	88.4	88.4	88.7	88.7	88.7
IV 5000	1.0	3.0	63.9	71.9	81.6	84.2	86.8	87.4	87.4	88.1	88.4	88.4	88.4	88.7	88.7	88.7
IV 4500	1.0	3.6	64.2	72.3	81.9	84.5	87.1	87.7	87.7	88.4	88.7	88.7	88.7	89.0	89.0	89.0
IV 4000	1.0	4.0	64.8	72.7	82.0	85.2	87.7	88.4	88.4	89.1	89.4	89.4	89.4	89.7	89.7	89.7
IV 3500	1.0	4.0	65.5	73.6	81.7	85.8	89.4	89.7	89.7	89.7	90.0	90.0	90.0	90.3	90.3	90.3
IV 3000	1.0	5.0	65.8	73.9	81.9	86.5	89.7	89.7	89.7	90.3	90.7	90.7	90.7	91.0	91.0	91.0
IV 2500	1.0	6.0	66.8	75.2	83.7	87.7	90.0	91.0	91.0	91.6	91.9	91.9	91.9	92.3	92.3	92.3
IV 2000	1.0	6.0	67.0	77.4	87.4	90.0	92.6	93.2	93.2	93.9	94.2	94.2	94.2	94.5	94.5	94.5
IV 1800	1.0	6.7	69.4	77.7	87.7	90.3	92.9	93.6	93.6	94.2	94.5	94.5	94.5	94.8	94.8	94.8
IV 1500	1.0	6.0	70.3	78.7	89.7	91.0	94.2	94.8	94.8	95.5	95.8	95.8	95.8	96.5	96.5	96.5
IV 1200	1.0	6.4	71.0	79.4	89.7	92.3	94.8	95.5	95.5	96.1	96.5	96.5	96.5	97.4	97.4	97.4
IV 1000	1.0	6.7	71.7	80.0	90.3	92.9	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 900	1.0	6.7	71.7	80.0	90.3	92.9	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 800	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 700	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 600	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 500	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 400	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 300	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 200	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 100	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7
IV 0	1.0	6.7	71.7	80.0	90.3	92.7	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	4.0	57.1	60.4	67.7	70.7	81.0	1.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 12000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 10000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 5000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2500	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1800	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1500	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1200	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1000	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 900	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 800	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 700	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 600	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 500	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 400	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 300	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 200	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 100	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 0	1.0	4.0	62.5	65.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 20000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 18000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 16000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 14000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 10000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 9000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 8000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 6000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 5000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 4500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 4000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 3500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 3000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 2500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 2000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 1800	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 1500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 1200	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 1000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 900	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 800	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 700	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 600	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 400	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 300	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 200	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 100	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	2.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	•	1.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 18000	•	1.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	•	1.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	•	2.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 12000	•	4.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3500	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 2500	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 2000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1800	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1500	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1200	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1000	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 900	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 800	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 700	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 600	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 500	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 400	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 300	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 200	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 100	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 0	•	7.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	7.7	6.7	1.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	•	7.7	6.7	1.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	•	7.7	6.7	1.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 16000	•	7.7	6.7	1.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 14000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 12000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 10000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 7000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 6000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 5000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4500	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 2500	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 2000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1800	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1500	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1200	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1000	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 900	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 800	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 700	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 600	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 500	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 400	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 300	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 200	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 100	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 0	•	7.7	6.7	1.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	12.7	54.1	57.4	41.5	41.3	62.4	2.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	2.1	15.1	64.2	74.2	74.4	74.4	75.3	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7
IV 18000	1.1	13.2	64.1	72.3	74.5	74.5	75.4	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 16000	1.1	13.7	64.2	72.4	74.6	74.6	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 14000	1.1	13.5	64.4	72.7	74.9	74.9	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 12000	1.1	14.3	72.1	75.4	77.7	78.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 10000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 6000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1800	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1500	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1200	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1000	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 900	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 800	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 700	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 600	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 500	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 400	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 300	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 200	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 100	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 0	1.1	14.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4

TOTAL NUMBER OF OBSERVATIONS

2440

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEARS

AUF

MONTH

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.5	88.4	71.3	73.4	74.4	74.4	75.3	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 20000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 18000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 16000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 14000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 12000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 10000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 9000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 7000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 6000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 5000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4500	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3500	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 2500	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 2000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 1800	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 1500	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 1200	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 1000	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 900	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 800	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 700	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 600	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 500	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 400	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 300	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 200	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 100	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 0	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-12

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.2	15.2	71.7	72.2	71.2	70.5	74.8	74.9	74.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 20000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 18000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 16000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 14000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 9000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 7000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 6000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 5000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3500	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2500	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1800	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1500	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1200	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1000	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 900	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 800	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 700	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 600	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 500	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 400	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 300	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 200	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 100	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 0	1.2	15.2	74.2	77.4	71.2	70.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, FLORIDA

STATION NAME

72-2

YEARS

SU

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.7	49.7	57.1	61.6	63.5	66.5	67.1	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 18000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 16000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 14000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 12000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 10000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 7000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 6000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4500	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 3500	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 3000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2500	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1800	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1500	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1200	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1000	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 900	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 800	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 700	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 600	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 500	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 400	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 300	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 200	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 100	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 0	63.2	55.1	64.6	69.7	71.6	74.5	75.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.3	51.6	55.1	57.4	57.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 14000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2000	2.3	59.9	65.2	67.1	68.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1800	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 400	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 300	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 100	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 0	3.0	75.0	81.5	88.1	90.7	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-51 MONTH 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	46.1	51.4	52.6	53.7	55.0	57.6	63.6	65.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	1.0	66.3	67.2	67.5	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 18000	1.0	67.7	67.5	66.1	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	1.0	67.7	67.8	65.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	1.0	67.7	67.8	67.4	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	1.0	67.7	67.7	70.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	1.0	67.7	74.5	75.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	1.0	67.7	75.2	76.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	1.0	74.4	80.7	81.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 7000	1.0	75.4	81.7	82.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	1.0	75.4	81.7	82.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	1.0	76.1	81.8	82.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500	1.0	76.1	81.9	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	1.0	76.1	82.5	83.9	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 600	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 500	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 400	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 300	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 200	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 100	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 0	1.0	77.4	83.2	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8

TOTAL NUMBER OF OBSERVATIONS 1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	1.5	54.5	51.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	3.7	5.5	67.4	71.6	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000	3.2	5.5	69.7	71.9	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 16000	3.2	5.5	69.7	71.9	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 14000	3.2	6.1	73.3	72.6	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 12000	3.2	54.4	73.5	76.1	76.5	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 10000	3.2	75.3	74.7	82.3	82.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 9000	3.2	75.3	82.3	82.6	82.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 8000	3.2	8.2	84.8	87.4	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 7000	3.2	8.2	84.8	87.4	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 6000	3.2	8.2	84.8	87.4	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 5000	3.2	8.2	87.7	87.7	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4500	3.2	8.2	88.2	87.7	88.4	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4000	3.2	8.2	88.2	88.4	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3500	3.2	1.7	87.1	88.3	88.4	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	3.2	3.0	88.4	88.4	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2500	3.2	4.5	91.7	94.5	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	3.2	4.5	91.7	94.5	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	3.2	4.5	91.7	94.5	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	3.2	5.3	92.6	96.8	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	3.2	5.3	92.6	96.8	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	3.2	6.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	7.4	4.7	11.0	1.3	1.3	11.0	1.1	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
≥ 20000	1.0	7.4	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 18000	1.0	59.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 16000	1.0	57.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 14000	1.0	49.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 12000	1.0	42.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 10000	1.0	35.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000	1.0	28.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	1.0	21.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 7000	1.0	14.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	1.0	7.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	1.0	0.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	1.0	1.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4000	1.0	1.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	1.0	1.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000	1.0	2.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500	1.0	3.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	1.0	4.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1800	1.0	5.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1500	1.0	6.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1200	1.0	7.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1000	1.0	8.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 900	1.0	9.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 800	1.0	10.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 700	1.0	11.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 600	1.0	12.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 500	1.0	13.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 400	1.0	14.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 300	1.0	15.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 200	1.0	16.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 100	1.0	17.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 0	1.0	18.0	71.9	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 18000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 16000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 14000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 12000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 10000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 9000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 8000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 6000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2500	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1500	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1200	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1000	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 900	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 800	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 700	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 600	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 500	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 400	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 300	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 200	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 100	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 0	75.0	75.0	75.0	75.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	4.6	5.6	11.2	12.1	13.2	13.6	13.3	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
≥ 20000	...	4.6	7.7	73.2	74.7	75.2	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 18000	...	6.5	7.4	73.2	74.8	75.1	75.9	76.1	76.1	76.2	76.1	76.1	76.1	76.1	76.1	76.1
IV 16000	...	6.5	7.4	73.3	74.9	75.4	76.1	76.2	76.2	76.3	76.2	76.2	76.2	76.2	76.2	76.2
IV 14000	...	6.5	7.4	73.7	75.2	75.7	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 12000	...	6.5	7.4	73.5	77.6	78.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 10000	...	6.5	7.4	73.7	80.0	81.8	82.3	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 9000	...	6.5	7.4	77.1	80.3	82.2	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 8000	...	6.5	7.4	80.5	84.4	85.9	86.5	87.4	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8
IV 7000	...	6.5	7.4	81.8	84.4	85.9	86.9	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 6000	...	6.5	7.4	81.8	84.4	85.9	86.9	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 5000	...	6.5	7.4	81.8	85.1	86.1	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4500	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4000	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3500	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2500	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2000	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1800	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1200	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1000	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 900	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 800	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 700	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 600	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 500	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 400	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 300	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 200	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 100	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 0	...	6.5	7.4	81.7	85.2	87.3	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	51.7	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	•
≥ 20000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 18000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 16000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 14000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 12000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 10000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 9000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 8000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 7000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 6000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 5000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 4500	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 4000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 3500	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 3000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 2500	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 2000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 1800	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 1500	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 1200	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 1000	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 900	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 800	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 700	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 600	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 500	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 400	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 300	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 200	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 100	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•
IV IV 0	•	•	41.3	32.7	24.7	17.7	11.7	7.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 16000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 14000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 12000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 10000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 9000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 8000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 7000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 6000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 5000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 4500	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 4000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 3500	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 3000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 2500	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 2000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 1800	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 1500	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 1200	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 1000	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 900	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 800	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 700	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 600	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 500	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 400	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 300	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 200	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 100	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 0	5.7	53.3	54.7	57.7	59.0	58.0	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1°
HOUSE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	3.7	5.7	5.7	5.7	8.3	32.7	49.7	54.7	56.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 18000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 16000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 14000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 12000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 10000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 9000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 8000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 7000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 6000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 5000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 4500	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 4000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 3500	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 3000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 2500	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 2000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 1800	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 1500	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 1200	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 1000	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 900	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 800	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 700	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 600	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 500	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 400	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 300	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 200	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 100	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7
IV 0	1.7	4.3	6.7	49.7	59.7	49.3	69.7	49.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 18000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 16000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 10000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 9000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 7000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 6000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 5000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 4500	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 4000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 3500	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 3000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 2500	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 2000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 1800	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 1500	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 1200	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 1000	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 900	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 800	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 700	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 600	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 500	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 400	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 300	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 200	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 100	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 0	1.7	49.7	53.3	55.7	56.7	56.7	57.3	71.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

12-2

YEARS

SEAS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.3	64.7	66.3	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 20000	1.0	1.3	74.7	75.3	79.7	79.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 18000	1.0	1.3	76.7	76.3	79.7	79.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 16000	1.0	1.3	77.7	76.3	79.7	79.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 14000	1.0	1.3	77.7	76.7	79.7	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 12000	1.0	1.3	74.3	72.0	80.7	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 10000	1.0	1.3	76.7	83.3	85.3	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 9000	1.0	1.3	76.7	83.3	85.3	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 8000	1.0	1.3	85.3	84.3	85.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 7000	1.0	1.3	87.7	89.0	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 6000	1.0	1.3	86.7	91.3	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 5000	1.0	1.3	85.7	91.3	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 4500	1.0	1.3	84.7	91.7	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4000	1.0	1.3	84.0	91.0	91.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3500	1.0	1.3	84.3	91.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 3000	1.0	1.3	84.3	91.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	1.0	1.3	85.0	92.0	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2000	1.0	1.3	86.0	91.0	93.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	1.0	1.3	86.3	91.3	93.7	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	1.0	1.3	87.7	92.7	95.0	95.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	1.0	1.3	88.7	94.0	95.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	1.0	1.3	88.7	94.7	97.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	1.0	1.3	88.3	94.7	97.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	1.0	1.3	88.3	94.7	97.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	1.0	1.3	89.7	95.0	97.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	1.0	1.3	89.7	95.0	97.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	1.0	1.3	89.7	95.0	97.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	1.0	1.3	89.7	95.3	97.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	1.0	1.3	89.7	95.3	97.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	1.0	1.3	89.7	95.3	97.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	1.0	1.3	89.7	95.3	97.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	1.0	1.3	89.7	95.3	97.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DADE COUNTY, FLORIDA

STATION NAME

73-1

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	51.1	58.4	59.2	61.3	62.0	62.8	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	1.0	50.2	58.6	59.6	60.9	61.9	62.7	63.0	63.0	63.3	63.4	63.4	63.4	63.5	63.5	63.5
IV 18000	1.0	50.2	58.6	59.6	60.9	61.9	62.7	63.0	63.0	63.3	63.4	63.4	63.4	63.5	63.5	63.5
IV 16000	1.0	50.2	58.6	59.6	60.9	61.9	62.7	63.0	63.0	63.3	63.4	63.4	63.4	63.5	63.5	63.5
IV 14000	1.0	50.2	58.6	59.6	60.9	61.9	62.7	63.0	63.0	63.3	63.4	63.4	63.4	63.5	63.5	63.5
IV 12000	1.0	50.2	58.6	59.6	60.9	61.9	62.7	63.0	63.0	63.3	63.4	63.4	63.4	63.5	63.5	63.5
IV 10000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 9000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 8000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 7000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 6000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 5000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 4500	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 4000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 3500	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 3000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 2500	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 2000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 1800	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 1500	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 1200	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 1000	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 900	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 800	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 700	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 600	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 500	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 400	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 300	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 200	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 100	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7
IV 0	1.1	50.5	58.9	59.9	61.2	62.2	63.0	63.3	63.3	63.6	63.6	63.6	63.6	63.7	63.7	63.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 0 ASHEVILLE, FLORIDA

73-72

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)70
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.5	73.2	71.5	76.6	74.8	76.6	77.4	77.4	77.4	77.1	77.1	77.1	77.0	79.2	79.1	79.1
≥ 20000	4.5	77.4	74.7	81.3	81.3	81.3	81.9	81.9	81.9	82.6	82.6	82.6	83.6	83.6	83.6	83.6
IV 18000	4.5	77.4	74.7	81.3	81.3	81.3	81.9	81.9	81.9	82.6	82.6	82.6	83.6	83.6	83.6	83.6
IV 16000	4.5	77.7	81.0	81.6	81.6	81.6	82.3	82.3	82.3	82.9	82.9	82.9	83.9	83.9	83.9	83.9
IV 14000	4.5	77.7	80.0	81.6	81.6	81.6	82.3	82.3	82.3	82.9	82.9	82.9	83.9	83.9	83.9	83.9
IV 12000	4.5	79.0	81.3	82.9	82.9	82.9	83.9	83.9	83.9	84.5	84.5	84.5	85.5	85.5	85.5	85.5
IV 10000	4.5	81.0	83.2	84.8	85.2	85.2	86.1	86.1	86.1	86.8	86.8	86.8	87.7	87.7	87.7	87.7
IV 9000	4.5	81.0	83.2	84.8	85.2	85.2	86.1	86.1	86.1	86.8	86.8	86.8	87.7	87.7	87.7	87.7
IV 8000	4.5	82.9	85.2	87.1	87.4	87.4	88.4	88.4	88.4	89.0	89.0	89.0	90.0	90.0	90.0	90.0
IV 7000	4.5	82.9	85.2	87.1	87.4	87.4	88.4	88.4	88.4	89.0	89.0	89.0	90.0	90.0	90.0	90.0
IV 6000	4.5	82.9	85.2	87.1	87.4	87.4	88.4	88.4	88.4	89.0	89.0	89.0	90.0	90.0	90.0	90.0
IV 5000	4.5	83.2	85.5	87.4	87.7	87.7	88.7	88.7	88.7	89.4	89.4	89.4	90.3	90.3	90.3	90.3
IV 4500	4.5	84.8	87.4	89.4	89.7	89.7	90.7	91.0	91.0	91.6	91.6	91.6	92.6	92.6	92.6	92.6
IV 4000	4.5	84.8	87.4	89.4	89.7	89.7	90.7	91.0	91.0	91.6	91.6	91.6	92.6	92.6	92.6	92.6
IV 3500	4.5	85.2	87.7	89.7	90.0	90.0	91.0	91.3	91.3	91.9	91.9	91.9	92.9	92.9	92.9	92.9
IV 3000	4.5	86.1	89.7	90.7	91.0	91.0	91.9	92.3	92.3	92.9	92.9	92.9	93.9	93.9	93.9	93.9
IV 2500	4.5	86.1	89.7	90.7	91.0	91.0	91.9	92.3	92.3	92.9	92.9	92.9	93.9	93.9	93.9	93.9
IV 2000	4.5	87.1	89.7	91.6	91.9	91.9	92.9	93.2	93.2	93.9	93.9	93.9	94.8	94.8	94.8	94.8
IV 1800	4.5	87.1	89.7	91.6	91.9	91.9	92.9	93.2	93.2	93.9	93.9	93.9	94.8	94.8	94.8	94.8
IV 1500	4.5	88.1	91.0	92.9	93.2	93.2	94.2	94.5	94.5	95.2	95.2	95.2	96.1	96.1	96.1	96.1
IV 1200	4.5	88.4	91.3	93.2	93.6	93.6	94.8	95.2	95.2	95.8	95.8	95.8	96.8	96.8	96.8	96.8
IV 1000	4.5	88.7	91.9	93.9	94.5	94.5	95.8	96.1	96.1	96.8	96.8	96.8	97.7	97.7	97.7	97.7
IV 900	4.5	88.7	91.9	93.9	94.5	94.5	95.8	96.1	96.1	96.8	96.8	96.8	97.7	97.7	97.7	97.7
IV 800	4.5	89.0	92.3	94.2	94.8	94.8	96.1	96.5	96.5	97.1	97.1	97.1	98.1	98.1	98.1	98.1
IV 700	4.5	89.0	92.3	94.2	94.8	94.8	96.1	96.5	96.5	97.1	97.1	97.1	98.1	98.1	98.1	98.1
IV 600	4.5	89.7	92.9	94.8	95.5	95.5	96.8	97.1	97.1	97.7	97.7	97.7	98.7	98.7	98.7	98.7
IV 500	4.5	89.7	92.9	94.8	95.5	95.5	96.8	97.1	97.1	97.7	97.7	97.7	98.7	98.7	98.7	98.7
IV 400	4.5	89.7	92.9	94.8	95.5	95.5	96.8	97.1	97.1	97.7	97.7	97.7	98.7	98.7	98.7	98.7
IV 300	4.5	89.7	92.9	94.8	95.5	95.5	96.8	97.1	97.1	97.7	97.7	97.7	98.7	98.7	98.7	98.7
IV 200	4.5	89.7	92.9	94.8	95.5	95.5	96.8	97.1	97.1	97.7	97.7	97.7	98.7	98.7	98.7	98.7
IV 100	4.5	89.7	92.9	94.8	95.5	95.5	96.8	97.1	97.1	97.7	97.7	97.7	98.7	98.7	98.7	98.7
IV 0	4.5	89.7	92.9	94.8	95.5	95.5	96.8	97.1	97.1	97.7	97.7	97.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, FLORIDA YEARS: 1951-1952 MONTH: 03
 STATION: 03 HOURS (LST): 03

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.6	65.8	71.6	72.6	72.6	73.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	77.1
≥ 20000	2.6	69.7	74.4	75.8	76.1	77.4	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.3	80.3	80.7
IV 18000	2.6	69.7	74.4	75.8	76.1	77.4	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.3	80.3	80.7
IV 16000	2.6	69.7	74.4	75.8	76.1	77.4	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.3	80.3	80.7
IV 14000	2.6	69.7	74.4	75.8	76.1	77.4	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.3	80.3	80.7
IV 12000	2.6	69.7	74.4	75.8	76.1	77.4	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.3	80.3	80.7
IV 10000	2.6	71.6	77.4	78.4	78.7	80.0	82.3	82.6	82.6	82.9	82.9	82.9	82.9	83.2	83.2	83.7
IV 9000	2.6	71.6	77.4	78.4	78.7	80.0	82.3	82.6	82.6	82.9	82.9	82.9	82.9	83.2	83.2	83.7
IV 8000	2.6	73.6	79.4	80.3	80.7	81.9	84.2	84.5	84.5	84.8	84.8	84.8	84.8	85.2	85.2	85.7
IV 7000	2.6	74.5	80.7	81.3	81.6	82.9	85.2	85.5	85.5	85.8	85.8	85.8	85.8	86.1	86.1	86.5
IV 6000	2.6	74.5	80.7	81.3	81.6	82.9	85.2	85.5	85.5	85.8	85.8	85.8	85.8	86.1	86.1	86.5
IV 5000	2.6	75.2	81.7	81.9	82.3	83.6	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.8	86.8	87.1
IV 4500	2.6	75.2	81.7	82.3	82.6	83.9	86.1	86.5	86.5	86.8	86.8	86.8	86.8	87.1	87.1	87.4
IV 4000	2.6	75.2	81.7	82.3	82.6	83.9	86.1	86.5	86.5	86.8	86.8	86.8	86.8	87.1	87.1	87.4
IV 3500	2.6	76.1	81.9	82.9	83.2	84.5	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.7	87.7	88.1
IV 3000	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 2500	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 2000	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 1800	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 1500	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 1200	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 1000	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 900	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 800	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 700	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 600	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 500	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 400	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 300	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 200	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 100	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 0	2.6	76.7	84.5	85.5	85.8	87.1	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.7

TOTAL NUMBER OF OBSERVATIONS: 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	44.1	54.6	53.6	54.6	67.1	67.4	67.4	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	43.5	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 18000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 16000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 14000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1800	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1500	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1200	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1000	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 900	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 800	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 700	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 500	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 400	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 300	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 200	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 100	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 0	43.6	51.7	58.1	66.8	66.8	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 20000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 9000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 6000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 5000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 4500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 4000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 2500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 2000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 1800	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 1500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 1200	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 1000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 900	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 800	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 700	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 600	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 400	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 300	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 200	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 100	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 16000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 5000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4500	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2500	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1800	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1500	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1200	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1000	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 900	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 800	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 700	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 600	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 500	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 400	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 300	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 200	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 100	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 0	57.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.5	53.5	65.1	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 20000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
18000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
16000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
14000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
12000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
10000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
9000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
8000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
7000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
6000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
5000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
4500	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
4000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
3500	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
3000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2500	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1800	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1500	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1200	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1000	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
900	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
800	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
700	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
600	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
500	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
400	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
300	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
200	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
100	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
0	4.5	71.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	7.1	2.4	7.1	2.4	7.1	•	7.1	7.1	7.1	7.1	7.1	7.1	7.1	•
≥ 20000	•	•	7.1	2.4	7.1	2.4	7.1	•	7.1	7.1	7.1	7.1	7.1	7.1	7.1	•
IV 18000	•	7.1	•	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 16000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 14000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 12000	•	1.1	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 10000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 9000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 8000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 7000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 6000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 5000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 4500	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 4000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 3500	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 3000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 2500	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 2000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 1800	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 1500	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 1200	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 1000	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 900	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 800	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 700	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 600	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 500	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 400	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 300	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 200	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 100	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•
IV 0	•	•	7.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

511
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	10.0	67.7	4.3	59.7	45.1	4.7	6.7	45.7	58.0	66.0	66.0	67.7	67.7	67.7	67.7
≥ 20000	4.7	13.7	66.7	47.3	69.7	68.1	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0
IV 18000	4.7	63.7	66.7	67.3	69.7	68.1	68.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0
IV 16000	4.7	63.7	66.7	67.3	69.7	68.1	68.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0
IV 14000	4.7	63.7	66.7	67.3	69.7	68.1	68.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0
IV 12000	4.7	63.7	66.7	67.3	69.7	68.1	68.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0
IV 10000	4.7	66.7	67.7	70.0	70.7	70.7	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	4.7	66.7	67.7	70.0	70.7	70.7	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	4.7	66.7	70.0	71.3	72.0	72.0	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	4.7	67.3	7.7	72.0	72.7	73.0	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	4.7	67.7	71.7	72.7	73.3	73.7	74.1	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	4.7	68.7	72.7	73.7	74.7	74.7	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	4.7	67.3	72.7	74.3	75.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4000	4.7	67.7	72.7	74.3	75.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3500	4.7	67.7	72.7	74.3	75.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3000	4.7	71.3	74.7	76.3	77.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2500	4.7	73.0	76.7	78.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	4.7	75.7	80.7	81.7	82.3	82.7	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1800	4.7	76.0	81.7	82.0	83.7	83.0	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500	4.7	77.3	82.7	84.7	85.7	86.0	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	4.7	78.7	83.7	85.3	86.3	86.7	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	4.7	79.7	84.7	86.7	87.3	87.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	4.7	80.7	85.7	87.7	88.7	89.0	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	4.7	81.7	86.7	88.7	89.3	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 700	4.7	82.7	87.7	89.7	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 600	4.7	83.7	88.7	90.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 500	4.7	84.7	89.7	91.7	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 400	4.7	85.7	90.7	91.7	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 300	4.7	86.7	91.7	92.0	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 200	4.7	87.7	92.0	92.0	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 100	4.7	88.7	92.0	92.0	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 0	4.7	89.7	92.0	92.0	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MO

DAY

YEAR

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.3	60.3	61.0	71.7	67.3	62.7	60.3	55.0	50.0	47.7	45.7	45.3	44.3	44.3	44.3	44.3
≥ 20000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	7.7	63.3	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 18000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 16000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 14000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 12000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 10000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 9000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 8000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 7000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 6000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 5000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 4500	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 4000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 3500	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 3000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 2500	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 2000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 1800	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 1500	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 1200	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 1000	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 900	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 800	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 700	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 600	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 500	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 400	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 300	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 200	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 100	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7
IV 0	4.7	58.7	63.7	64.0	64.7	65.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	70.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, FLORIDA STATION NAME: ASHEVILLE, FLORIDA YEARS: 1950-1951 MONTH: NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LST): 0000-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	42.7	47.8	44.0	57.7	1.3	52.7	14.3	24.7	55.0	54.7	56.0	54.3	54.3	54.7	57.8
≥ 20000	4.7	46.7	50.7	42.3	54.7	15.0	56.3	17.7	57.7	56.7	59.3	59.7	57.0	59.0	60.7	61.0
≥ 18000	4.7	46.7	50.7	42.3	54.7	15.0	56.3	17.7	57.7	56.7	59.3	59.7	57.0	59.0	60.7	61.0
≥ 16000	4.7	46.7	50.7	42.3	54.7	15.0	56.3	17.7	57.7	56.7	59.3	59.7	57.0	59.0	60.7	61.0
≥ 14000	4.7	46.7	50.7	42.3	54.7	15.0	56.3	17.7	57.7	56.7	59.3	59.7	57.0	59.0	60.7	61.0
≥ 12000	4.7	47.7	52.0	44.0	55.7	56.7	58.0	59.7	59.7	60.7	61.3	61.7	60.0	62.0	62.7	63.0
≥ 10000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 9000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 8000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 7000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 6000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 5000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 4500	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 4000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 3500	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 3000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 2500	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 2000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 1800	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 1500	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 1200	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 1000	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 900	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 800	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 700	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 600	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 500	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 400	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 300	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 200	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 100	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7
≥ 0	4.7	48.7	53.0	45.0	57.0	58.0	59.3	61.0	61.0	62.0	62.7	63.0	63.3	63.3	64.7	64.7

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

12-

YEARS

NOV

NORTH

79

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	0	45.7	50.7	51.7	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	0	1.7	45.7	57.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	0	1.7	55.7	57.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	0	1.7	55.7	57.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	0	2.0	51.0	57.7	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 12000	0	3.0	57.0	58.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	0	5.3	51.3	61.3	63.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	0	5.7	59.7	61.7	63.7	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 8000	0	7.0	61.0	63.3	65.3	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 7000	0	6.0	62.0	64.3	66.3	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	0	8.7	62.7	65.0	67.0	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	0	10.0	64.0	66.7	68.7	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	0	11.7	65.7	68.0	70.0	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	0	11.7	65.7	68.0	70.0	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	0	11.7	65.7	68.0	70.0	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	0	12.3	67.0	70.0	72.0	72.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 2500	0	4.0	65.0	71.3	73.3	74.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2000	0	6.0	71.0	74.3	76.7	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	0	6.0	71.0	74.3	76.7	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	0	8.0	73.0	77.0	79.7	80.3	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1200	0	6.0	71.0	74.3	76.7	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1000	0	7.0	73.0	77.0	79.7	80.3	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 900	0	71.0	77.3	82.0	85.0	85.7	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 800	0	71.0	77.3	82.0	85.0	85.7	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 700	0	71.0	77.3	82.0	85.0	85.7	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 600	0	72.0	80.0	85.0	88.0	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 500	0	73.0	81.0	86.0	91.0	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	0	73.0	81.0	86.0	91.0	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 300	0	73.0	81.0	86.0	91.0	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 200	0	73.0	81.0	86.0	91.0	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 100	0	73.0	81.0	86.0	91.0	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 0	0	73.0	81.0	86.0	91.0	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, FLORIDA STATION NAME ASHEVILLE YEARS 1960 MONTH 10
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 20000	7.3	6.3	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
IV 18000	7.3	6.3	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
IV 16000	7.3	6.3	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
IV 14000	7.3	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
IV 12000	7.3	6.4	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
IV 10000	7.3	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 9000	7.3	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 8000	7.3	6.6	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 7000	7.3	6.7	6.8	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 6000	7.3	6.7	6.8	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 5000	7.3	6.9	7.0	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 4500	7.7	6.9	7.1	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4000	7.7	7.0	7.1	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3500	7.7	7.0	7.2	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 3000	7.7	7.1	7.3	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
IV 2500	7.7	7.2	7.4	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.4	7.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
IV 1800	7.7	7.4	7.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
IV 1500	7.7	7.6	7.8	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 1200	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 1000	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 900	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 800	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 700	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 600	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 500	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 400	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 300	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 200	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 100	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
IV 0	7.7	7.8	8.0	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, FLORIDA STATION NAME 73-2 YEARS NOV MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	77.7	59.7	59.3	59.3	8.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 20000	7.7	53.7	64.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 18000	7.7	63.7	64.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	7.7	43.7	65.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 14000	7.7	64.7	66.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 12000	7.7	66.7	67.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	7.7	68.7	71.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	7.7	68.7	71.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	7.7	72.7	75.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000	7.7	74.7	77.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	7.7	74.7	77.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 5000	7.7	74.7	77.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	7.7	75.7	79.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	7.7	76.7	79.7	80.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3500	7.7	77.7	81.7	82.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	7.7	78.7	82.7	83.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	7.7	79.7	84.7	85.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	7.7	80.7	85.7	86.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1800	7.7	80.7	86.7	87.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1500	7.7	81.7	87.7	88.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	7.7	82.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1000	7.7	83.7	89.7	90.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	7.7	83.7	90.7	91.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	7.7	83.7	90.7	92.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 700	7.7	83.7	91.7	92.7	93.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 600	7.7	84.7	92.7	93.7	94.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500	7.7	84.7	92.7	93.7	95.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 400	7.7	84.7	92.7	94.7	96.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 300	7.7	84.7	92.7	94.7	96.7	97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	7.7	84.7	92.7	94.7	96.7	97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	7.7	84.7	92.7	94.7	96.7	97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 0	7.7	84.7	92.7	94.7	96.7	97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, FLORIDA STATION NAME 17-1 YEARS 1 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.7	54.7	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 20000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 18000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 16000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 14000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 12000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 7000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 6000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 5000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4500	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3500	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2500	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1800	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1500	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1200	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1000	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 900	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 800	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 700	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 600	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 500	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 400	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 300	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 200	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 100	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 0	53.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7

TOTAL NUMBER OF OBSERVATIONS 6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 16000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 10000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2500	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1800	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1500	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1000	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 900	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 800	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 700	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 600	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 500	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 400	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 300	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 200	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 100	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 0	67.7	71.7	71.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	74.0	57.6	51.5	54.1	79.7	59.9	1.2	43.7	1.4	1.7	5.1	6.8	1.1	61.1	1.1
≥ 20000	•	59.4	62.0	73.4	64.1	4.2	54.9	7.8	45.7	55.4	45.7	65.7	67.8	45.7	56.1	47.7
IV 18000	•	59.4	62.0	63.5	64.1	4.3	64.7	1.2	•	55.4	45.7	61.5	67.8	45.7	56.2	47.7
IV 16000	•	59.4	62.0	63.5	64.2	4.4	65.7	1.3	•	55.7	45.7	65.6	65.9	45.7	66.2	47.8
IV 14000	•	59.7	63.8	63.8	64.4	4.7	61.2	1.3	•	65.7	45.7	61.8	67.1	46.1	66.5	47.9
IV 12000	•	63.8	64.5	67.6	65.1	66.4	6.9	66.7	•	67.1	67.1	67.4	67.4	67.4	67.5	67.1
IV 10000	•	62.0	67.7	66.7	67.4	67.7	68.7	•	63.7	63.8	68.4	69.1	69.2	69.2	69.5	69.6
IV 9000	•	62.0	65.7	66.4	67.6	67.8	68.5	68.5	68.5	69.1	69.2	69.2	69.2	69.5	69.5	69.7
IV 8000	•	64.5	67.9	68.1	69.5	70.2	70.8	71.1	71.1	71.4	71.5	71.5	71.5	71.5	71.7	71.7
IV 7000	•	65.8	68.4	70.1	70.9	71.3	71.9	72.2	72.2	72.5	72.6	72.6	72.6	72.9	73.3	73.7
IV 6000	•	65.8	69.1	70.4	71.7	71.8	72.2	72.5	72.5	72.6	72.6	72.6	72.6	72.9	73.3	73.7
IV 5000	•	66.9	71.4	71.8	72.7	73.0	73.7	74.0	74.0	74.3	74.4	74.5	74.5	74.5	74.8	75.1
IV 4500	•	67.9	71.5	72.9	73.5	74.2	74.8	75.2	75.2	75.5	75.5	75.6	75.6	75.9	76.2	76.7
IV 4000	•	68.7	71.9	73.4	74.4	74.6	75.4	75.8	75.9	76.1	76.2	76.2	76.5	76.6	76.9	77.1
IV 3500	•	68.4	72.3	73.9	74.8	75.3	75.9	76.1	76.7	76.5	76.6	76.7	77.0	77.0	77.3	77.7
IV 3000	•	70.2	74.0	75.6	76.7	77.1	77.8	78.1	78.1	78.5	78.5	78.6	78.9	78.9	79.2	79.5
IV 2500	•	71.3	75.3	77.1	78.0	78.5	79.2	79.6	79.6	79.9	80.5	80.8	80.8	81.3	81.3	81.7
IV 2000	•	73.1	77.5	79.3	80.4	80.9	81.7	82.1	82.1	82.5	82.5	82.6	82.9	82.9	83.2	83.5
IV 1800	•	73.4	77.8	79.5	80.7	81.1	82.0	82.4	82.4	82.5	82.8	82.9	83.2	83.2	83.5	83.7
IV 1500	•	75.3	79.0	81.8	83.2	83.7	84.7	85.1	85.1	85.4	85.5	85.5	85.5	85.8	85.8	86.1
IV 1200	•	76.5	81.4	83.5	85.2	85.8	86.8	87.2	87.2	87.5	87.6	87.7	87.7	88.0	88.0	88.3
IV 1000	•	77.4	82.4	84.8	86.5	87.1	88.1	88.6	88.6	88.9	89.2	89.2	89.2	89.5	89.5	89.7
IV 900	•	77.8	83.1	85.6	87.3	87.8	88.9	89.4	89.4	89.7	89.8	89.8	89.8	90.1	90.1	90.5
IV 800	•	78.0	83.6	86.2	87.9	88.5	89.7	90.1	90.1	90.5	90.6	90.6	90.6	90.9	90.9	91.3
IV 700	•	78.3	84.2	87.0	88.9	89.5	90.8	91.2	91.2	91.6	91.7	91.7	91.7	92.0	92.0	92.4
IV 600	•	78.6	84.8	87.8	89.8	90.4	91.9	92.4	92.4	92.8	92.9	92.9	92.9	93.3	93.3	93.7
IV 500	•	79.1	85.2	88.3	90.6	91.3	92.7	93.2	93.2	93.7	93.8	93.8	93.8	94.2	94.2	94.5
IV 400	•	79.3	85.5	88.8	91.4	92.2	93.8	94.3	94.3	94.8	94.8	94.8	94.8	95.1	95.1	95.5
IV 300	•	79.6	85.7	89.1	92.0	92.9	94.5	95.2	95.2	95.7	95.7	95.7	95.7	96.0	96.0	96.4
IV 200	•	79.5	85.7	89.2	92.1	93.0	94.7	95.6	95.6	96.1	96.1	96.1	96.1	96.4	96.4	96.7
IV 100	•	79.5	85.7	89.2	92.1	93.0	94.7	95.7	95.7	96.2	96.2	96.2	96.2	96.5	96.5	96.8
IV 0	•	79.5	85.7	89.2	92.1	93.0	94.7	95.7	95.7	96.2	96.2	96.2	96.2	96.5	96.5	96.8

TOTAL NUMBER OF OBSERVATIONS 2972

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	55.1	57.2	59.2	4.1	4.2	4.5	4.7	54.7	54.3	54.3	57.0	56.2	56.5	55.1
IV 20000	1.0	4.7	55.1	57.4	57.4	57.4	57.4	57.7	57.7	57.7	54.1	54.1	57.4	56.4	56.7	59.0
IV 18000	1.0	4.7	55.1	57.4	57.4	57.4	57.4	57.7	57.7	57.7	54.1	54.1	57.4	56.4	56.7	59.0
IV 16000	1.0	4.7	55.1	57.4	57.4	57.4	57.4	57.7	57.7	57.7	54.1	54.1	57.4	56.4	56.7	59.0
IV 14000	10.7	4.5	56.1	57.7	57.7	57.7	57.7	59.1	59.1	59.1	54.4	54.4	57.7	56.7	59.1	59.4
IV 12000	11.3	5.0	57.0	58.0	58.0	58.0	58.0	59.4	59.4	59.7	62.0	62.0	61.3	61.3	60.7	61.0
IV 10000	11.3	5.7	57.4	61.0	61.0	61.0	61.0	1.3	11.7	61.0	61.0	61.0	61.3	61.3	62.6	62.9
IV 9000	11.3	5.7	55.7	61.3	61.3	61.3	61.3	1.6	11.4	61.3	62.3	62.3	62.6	62.6	62.9	63.0
IV 8000	11.3	5.7	62.7	63.0	64.2	64.2	64.2	64.5	64.5	64.5	65.2	65.2	65.5	65.5	65.8	66.1
IV 7000	11.3	5.7	64.0	65.5	66.1	66.1	66.1	66.5	66.5	66.5	67.1	67.1	67.4	67.4	67.7	68.1
IV 6000	11.3	5.7	64.5	66.1	66.5	66.5	66.5	66.8	66.8	67.1	67.4	67.4	67.7	67.7	68.1	68.4
IV 5000	11.3	5.7	65.1	67.7	68.1	68.1	68.1	68.4	68.4	68.7	69.0	69.0	69.3	69.3	69.7	70.0
IV 4500	11.3	5.7	65.1	69.7	70.3	70.3	70.3	70.7	70.7	71.0	71.3	71.3	71.6	71.6	71.9	72.2
IV 4000	11.3	5.7	65.4	71.0	71.6	71.6	71.6	71.9	71.9	72.3	72.6	72.6	72.9	72.9	73.2	73.5
IV 3500	11.3	5.7	65.4	71.0	71.6	71.6	71.6	71.9	71.9	72.3	72.6	72.6	72.9	72.9	73.2	73.5
IV 3000	11.3	5.7	67.1	71.0	72.9	73.6	73.6	73.9	73.9	74.2	74.5	74.5	74.8	74.8	75.1	75.4
IV 2500	11.3	5.7	70.9	74.8	75.8	75.8	75.8	76.1	76.1	76.5	76.8	76.8	77.1	77.1	77.4	77.7
IV 2000	11.3	5.7	74.8	76.8	80.3	80.3	80.3	80.7	80.7	81.0	81.3	81.3	81.6	81.6	81.9	82.2
IV 1800	11.3	5.7	76.8	78.1	80.3	80.3	80.3	80.7	80.7	81.0	81.3	81.3	81.6	81.6	81.9	82.2
IV 1500	11.3	5.7	76.8	81.3	82.5	82.5	82.5	82.9	82.9	83.2	83.5	83.5	83.8	83.8	84.1	84.4
IV 1200	11.3	5.7	76.8	82.6	84.5	84.5	84.5	84.9	84.9	85.2	85.5	85.5	85.8	85.8	86.1	86.4
IV 1000	11.3	5.7	81.7	83.2	86.1	86.1	86.1	86.5	86.5	86.8	87.1	87.1	87.4	87.4	87.7	88.0
IV 900	11.3	5.7	81.6	84.5	86.8	86.8	87.1	87.4	87.4	87.7	88.0	88.0	88.3	88.3	88.6	88.9
IV 800	11.3	5.7	81.9	85.5	88.1	88.1	88.4	88.7	88.7	89.0	89.3	89.3	89.6	89.6	89.9	90.2
IV 700	11.3	5.7	82.6	88.5	89.4	89.4	89.7	90.0	90.0	90.3	90.6	90.6	90.9	90.9	91.2	91.5
IV 600	11.3	5.7	83.2	87.1	90.7	90.7	90.7	91.0	91.0	91.3	91.6	91.6	91.9	91.9	92.2	92.5
IV 500	11.3	5.7	84.2	88.4	91.7	91.7	91.7	92.0	92.0	92.3	92.6	92.6	92.9	92.9	93.2	93.5
IV 400	11.3	5.7	84.8	88.7	92.4	92.4	92.4	92.7	92.7	93.0	93.3	93.3	93.6	93.6	93.9	94.2
IV 300	11.3	5.7	85.2	89.4	92.9	92.9	92.9	93.2	93.2	93.5	93.8	93.8	94.1	94.1	94.4	94.7
IV 200	11.3	5.7	85.2	89.4	92.9	92.9	92.9	93.2	93.2	93.5	93.8	93.8	94.1	94.1	94.4	94.7
IV 100	11.3	5.7	85.2	89.4	92.9	92.9	92.9	93.2	93.2	93.5	93.8	93.8	94.1	94.1	94.4	94.7
IV 0	11.3	5.7	85.2	89.4	92.9	92.9	92.9	93.2	93.2	93.5	93.8	93.8	94.1	94.1	94.4	94.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	1.1	2.4	4.1	5.1	4.4	54.7	•	4.7	54.7	54.7	54.7	54.7	54.7	54.7	•
≥ 20000	•	2.4	5.1	7.5	•	5.1	50.0	•	•	•	•	•	•	•	•	•
IV 18000	•	2.4	5.1	7.5	5.1	4.4	54.9	•	•	•	•	•	•	•	•	•
IV 16000	•	2.4	5.1	7.5	5.1	4.4	54.9	•	•	•	•	•	•	•	•	•
IV 14000	•	3.4	5.1	7.5	5.1	4.4	59.4	•	•	•	•	•	•	•	•	•
IV 12000	•	3.7	5.1	7.5	4.4	1.1	61.3	1.5	1.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000	•	7.5	5.1	61.3	5.1	3.1	57.4	3.4	1.4	5.1	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	•	7.5	5.1	61.3	5.1	3.1	63.4	3.4	63.4	•	61.3	61.3	61.3	61.3	61.3	61.3
IV 8000	•	•	61.1	3.4	4.4	5.1	63.4	5.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 7000	•	•	61.1	4.4	5.1	6.7	67.7	7.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	•	•	61.1	4.4	5.1	6.7	67.7	7.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	•	1.1	•	67.6	6.7	6.7	69.9	6.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 4500	•	1.1	•	67.6	6.7	7.2	77.6	7.5	7.5	7.5	77.6	77.6	77.6	77.6	77.6	77.6
IV 4000	•	1.1	•	67.6	6.7	7.2	71.2	7.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3500	•	•	67.7	7.2	7.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3000	•	4.7	67.7	71.2	72.6	74.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 2500	•	•	67.7	74.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 2000	•	•	71.2	74.1	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	•	•	71.2	74.1	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	•	•	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	•	•	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	•	1.1	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	•	74.4	75.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	•	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
≥ 20000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 18000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 16000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 14000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 12000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 10000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 9000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 8000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 7000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 6000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 5000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 4500	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 4000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 3500	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 3000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 2500	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 2000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 1800	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 1500	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 1200	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 1000	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 900	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 800	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 700	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 600	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 500	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 400	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 300	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 200	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 100	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 0	•	7.4	4.1	2.4	1.1	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	11.0	1.0	0.1	0.1	0.1	2.1	2.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 20000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 18000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 16000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 14000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 12000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 10000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 9000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 8000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 7000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 6000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 5000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 4500	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 4000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 3500	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 3000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 2500	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 2000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1800	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1500	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1200	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1000	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 900	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 800	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 700	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 600	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 500	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 400	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 300	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 200	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 100	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 0	11.0	7.0	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.3	1.6	2.0	2.4	2.9	3.2	3.9	4.2	4.9	5.2	5.9	6.2	6.9	7.2	7.9
≥ 20000	1.0	4.4	5.1	7.2	8.1	17.1	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
IV 18000	11.0	15.7	17.5	17.8	17.5	17.5	17.1	14.1	13.1	11.1	10.4	10.4	10.4	10.4	10.4	10.4
IV 16000	11.0	15.4	17.5	17.8	17.8	17.8	17.8	14.4	13.4	11.4	10.4	10.4	10.4	10.4	10.4	10.4
IV 14000	11.0	15.4	17.1	17.1	17.1	17.1	17.1	14.7	13.7	11.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 12000	11.0	15.1	17.4	17.4	17.4	17.4	17.4	14.7	13.7	11.7	10.7	10.7	10.7	10.7	10.7	10.7
IV 10000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 9000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 8000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 7000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 6000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 5000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 4500	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 4000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 3500	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 3000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 2500	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 2000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 1800	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 1500	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 1200	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 1000	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 900	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 800	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 700	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 600	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 500	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 400	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 300	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 200	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 100	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9
IV 0	11.0	14.9	17.5	17.6	17.6	17.6	17.6	14.9	13.9	11.9	10.9	10.9	10.9	10.9	10.9	10.9

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH 1
HOURS (LST) 01

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 14000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 12000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 10000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 9000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 8000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 7000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 6000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 5000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 4500	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 4000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 3500	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 3000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 2500	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 2000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 1800	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 1500	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 1200	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 1000	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 900	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 800	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 700	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 600	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 500	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 400	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 300	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 200	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 100	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 0	11.6	56.2	54.2	54.2	54.2	4.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
≥ 20000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 18000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 16000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 14000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 12000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 10000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 9000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 8000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 7000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 6000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 5000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 4500	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 4000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 3500	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 3000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 2500	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 2000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 1800	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 1500	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 1200	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 1000	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 900	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 800	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 700	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 600	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 500	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 400	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 300	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 200	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 100	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7
IVV 0	1.7	1.0	5.0	11.4	53.6	73.0	53.0	4.1	14.1	24.1	54.7	54.3	74.4	54.4	14.5	14.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.3	15.4	47.2	57.4	74.7	89.2	94.4	99.4	99.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 20000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 18000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 16000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 14000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 12000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 10000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 9000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 8000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 7000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 6000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 5000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 4500	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 4000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 3500	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 3000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 2500	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 2000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 1800	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 1500	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 1200	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 1000	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 900	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 800	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 700	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 600	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 500	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 400	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 300	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 200	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 100	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5
≥ 0	56.9	62.7	64.6	65.8	66.3	66.9	67.2	67.7	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

SKY COVER

03455

PENSACOLA, FLORIDA

73-92

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00	32.6			13.9						11.6	41.9	5.7	310
	03	30.3			11.9						13.2	44.5	6.0	310
	06	27.4			11.3						12.3	49.0	6.3	310
	09	21.0			11.6						20.0	46.5	6.8	310
	12	22.3			17.4						17.7	42.6	6.4	310
	15	21.3			16.8						20.6	41.3	6.5	310
	18	20.6			21.0						17.4	41.0	6.3	310
	21	24.7			14.1						14.8	38.4	5.7	310
TOTALS		25.6			15.3						16.0	43.2	6.2	2490

NAVWEASERVCOM

SKY COVER

13-55

PENSACOLA, FLORIDA

73-87

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00	36.9			15.6						9.9	37.6	5.1	292
	03	35.5			11.0						13.8	39.7	5.5	292
	06	29.1			16.7						14.0	39.4	5.8	292
	09	29.8			16.0						17.4	36.9	5.7	292
	12	27.7			20.2						19.1	34.0	5.6	292
	15	34.5			19.1						18.8	31.6	5.4	292
	18	23.8			25.5						18.4	31.9	5.6	292
	21	36.7			16.7						11.7	33.0	4.9	292
TOTALS		31.5			17.6						15.4	35.5	5.5	2256

NAVWEASERVCOM

SKY COVER

03-55 PENSACOLA, FLORIDA

73-P2

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00	29.4			14.2						14.2	42.3	5.9	310
	03	27.4			15.8						12.6	44.2	6.0	310
	06	16.1			19.0						16.8	48.1	6.9	310
	09	19.0			17.7						20.3	42.9	6.7	310
	12	18.4			19.7						21.0	41.0	6.6	310
	15	17.4			19.7						20.0	42.9	6.7	310
	18	18.1			19.4						21.6	41.0	6.6	310
	21	30.0			13.9						18.1	38.1	5.8	310
TOTALS		22.0			17.4						18.1	42.6	6.4	2460

NAVWEASERVCOM

SKY COVER

03455 PENSACOLA, FLORIDA

73-62

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00	40.7			17.0						14.3	28.0	4.6	300
	03	37.3			19.0						13.0	30.7	4.9	300
	06	29.3			18.0						21.3	35.3	6.0	300
	09	25.7			19.7						21.3	30.3	5.5	300
	12	19.7			25.0						24.0	31.3	6.0	300
	15	24.0			23.7						22.7	29.7	5.7	300
	18	25.7			22.7						18.3	33.3	5.7	300
	21	36.3			23.3						16.3	34.0	4.6	300
TOTALS		20.7			21.1						18.9	30.3	5.4	2400

NAVWEASERVCOM

SKY COVER

03:55 PENSACOLA, FLORIDA

73-32

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	10	38.7			22.9						16.9	21.6	4.4	310
	03	34.2			21.6						20.3	23.9	4.9	310
	06	20.0			27.7						29.0	23.2	5.8	310
	09	25.5			23.5						24.5	26.5	5.6	310
	12	15.5			31.3						28.7	24.5	6.0	310
	15	22.3			25.8						27.7	24.2	5.7	310
	18	22.6			25.8						23.5	28.1	5.7	310
	21	27.1			26.8						23.2	22.4	5.7	31
TOTALS		25.7			25.7						24.2	24.4	5.4	2440

NAVWEASERVCOM

SKY COVER

13455 PENSACOLA, FLORIDA

73-82

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	30	34.7			36.0						14.7	12.7	3.8	300
	11	37.3			31.3						26.3	12.0	4.5	300
	20	25.0			28.3						34.3	12.3	5.2	300
	09	22.3			33.7						32.3	11.7	5.1	300
	12	16.0			37.7						33.0	13.3	5.4	300
	15	19.7			35.7						29.7	15.3	5.3	300
	18	26.0			24.3						33.0	16.7	5.4	300
	21	27.7			30.0						28.0	14.3	4.9	300
TOTALS		25.2			32.1						29.4	13.3	5.0	2400

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100

73-57

444

STATION

STATION NAME

PERIOD

MONTH

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SKY COVER

03-55 PENSACOLA, FLORIDA

73-82

1955

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00	24.5			34.5						24.5	14.2	4.7	11
	03	24.1			39.7						22.6	12.6	4.3	11
	06	11.6			37.4						29.4	17.7	4.9	11
	09	23.5			22.9						36.2	16.4	4.7	11
	12	11.6			29.7						41.7	17.7	4.4	11
	15	15.2			27.4						33.5	11.9	4.2	11
	18	17.1			14.5						37.1	26.4	4.6	11
	21	21.3			33.5						25.1	19.1	5.3	11
TOTALS		17.7			3.5						31.7	19.1	4.6	245

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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
PENSACOLA FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC. FEB 84

4/14

UNCLASSIFIED

F/G 4/2

141

END

DATE

78

7. C.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SKY COVER

SEP

MONTM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00	35.7			27.0						20.7	16.7	4.3	300
	03	36.0			25.0						18.0	19.0	4.3	300
	06	21.7			31.0						26.3	21.0	5.4	300
	09	29.7			23.0						25.3	22.0	5.2	300
	12	13.7			31.3						32.7	22.3	6.1	300
	15	17.3			28.7						32.3	21.7	5.9	300
	18	16.7			29.0						24.0	30.3	6.1	300
	21	31.0			21.3						26.0	21.7	5.1	300
TOTALS		25.5			27.0						25.7	21.8	5.3	2400

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SKY COVER

03855 PENSACOLA, FLORIDA

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00	53.5			20.3						10.6	15.5	3.1	310
	03	51.3			20.6						12.6	15.5	3.3	310
	06	32.6			30.3						18.7	18.4	4.4	310
	09	41.6			19.7						20.6	18.1	4.3	310
	12	32.3			29.4						18.4	20.0	4.5	310
	15	28.7			30.6						22.3	18.4	4.8	310
	18	34.5			27.4						23.2	14.8	4.4	310
	21	51.3			21.3						11.9	15.5	3.3	310
TOTALS		40.7			25.0						17.3	17.0	4.0	2480

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SKY COVER

03855

PENSACOLA, FLORIDA

73-62

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00	42.7			20.0						14.0	23.3	4.2	300
	03	40.7			17.7						14.7	27.0	4.6	300
	06	28.7			23.0						17.3	31.0	5.4	300
	09	31.0			17.3						22.3	29.3	5.5	300
	12	29.0			19.3						23.0	28.7	5.5	300
	15	26.0			22.7						24.3	27.0	5.6	300
	18	28.0			23.3						21.0	27.7	5.4	300
	21	39.3			19.7						16.3	24.7	4.5	300
TOTALS		33.2			20.4						19.1	27.3	5.1	2400

NAVWEASERVCOM

SKY COVER

03855

PENSACOLA, FLORIDA

73-82

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00	37.4			11.6						13.9	37.1	5.3	310
	03	37.5			13.3						14.6	34.6	5.2	309
	06	34.3			14.2						15.2	36.2	5.4	309
	09	30.7			17.5						14.2	37.5	5.6	309
	12	25.9			17.2						21.4	35.6	6.0	309
	15	26.2			20.1						20.4	33.3	5.8	309
	18	27.3			19.5						19.2	34.1	5.7	308
	21	37.3			14.3						14.3	34.1	5.1	308
TOTALS		32.1			16.0						16.7	35.3	5.5	2471

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SKY COVER

03858 PENSACOLA, FLORIDA

73-82

ALL

STATION

STATION NAME

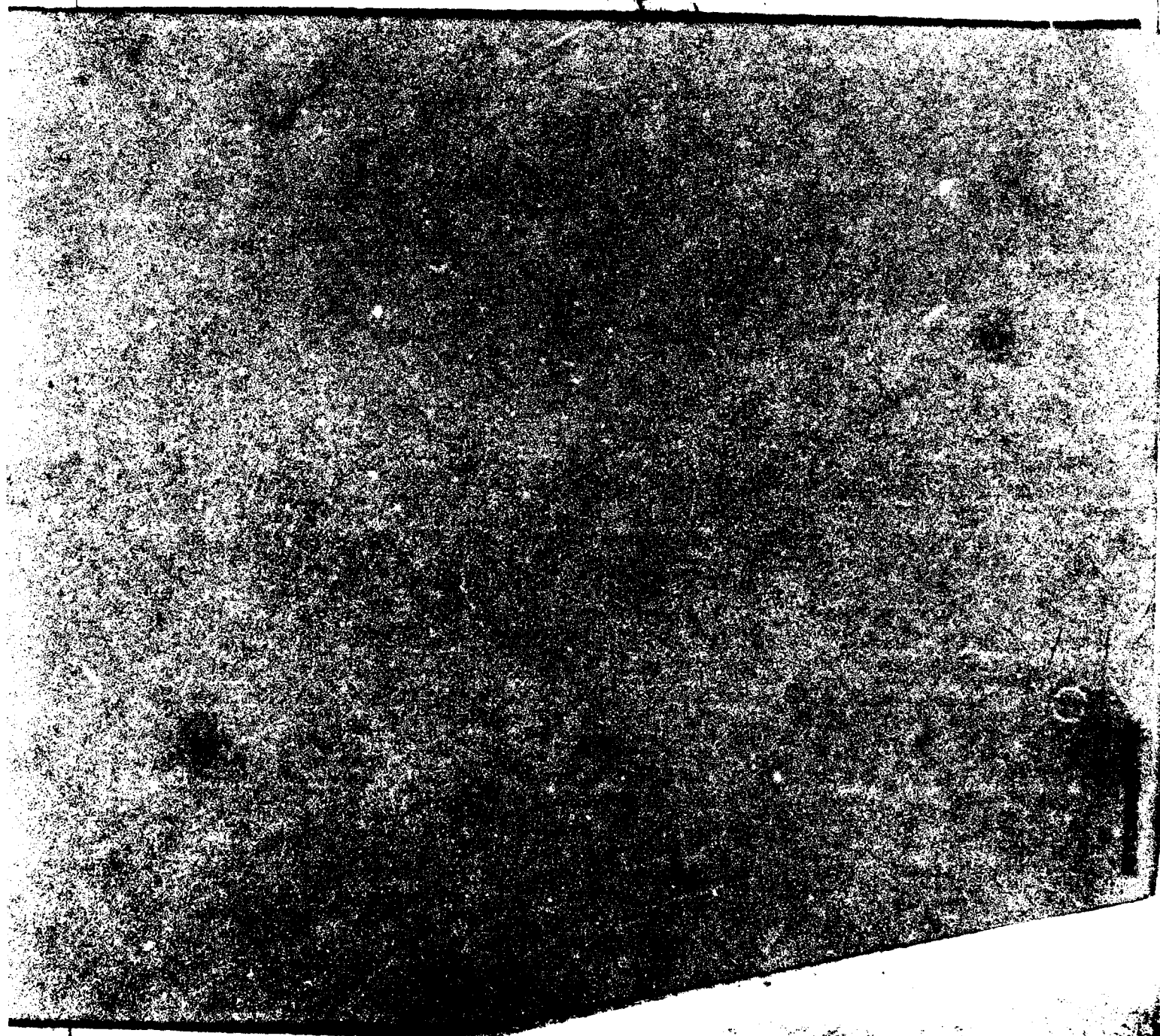
PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	25.6			15.3						16.0	43.2	6.2	2480
FEB		31.5			17.6						15.4	35.5	5.5	2256
MAR		22.0			17.4						18.1	42.6	6.4	2480
APR		29.7			21.1						18.9	30.3	5.4	2400
MAY		25.7			25.7						24.2	24.4	5.4	2480
JUN		25.2			32.1						29.4	13.3	5.0	2400
JUL		19.7			28.9						31.3	20.1	5.7	2480
AUG		19.7			30.5						31.7	18.1	5.6	2480
SEP		25.5			27.0						25.7	21.8	5.3	2470
OCT		40.7			25.0						17.3	17.0	4.0	2480
NOV		33.2			20.4						19.1	27.3	5.1	2400
DEC		32.1			16.0						16.7	35.3	5.5	2471
TOTALS		27.6			23.1						22.0	27.4	5.4	29207

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NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

YEARS

MAXIMUM

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DAILY TEMPERATURES

YEARS

FINIS

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4

55-67

STATION NAME

YEARS

154

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1956-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	51.4	10.8	60.3	15.7	74	23.9	1975		42.5	5.8	26	-1.3	1964	
2	49.2	9.6	58.0	14.4	74	23.9	1966		40.5	4.7	24	-4.4	1979*	
3	52.3	11.3	61.9	16.6	75	23.9	1982		42.7	5.9	25	-6.7	1979	
4	58.4	10.2	59.6	15.3	71	25.6	1972		41.2	5.1	27	-2.5	1979	
5	49.3	9.6	57.9	14.4	72	22.2	1957		40.7	4.8	24	-4.4	1969	
6	51.8	11.0	60.5	15.8	72	22.2	1982		43.1	6.2	26	-3.3	1963	
7	51.4	10.8	58.8	16.0	76	24.4	1982		42.5	5.6	23	-6.7	1970	
8	48.5	9.2	57.8	14.3	72	22.2	1965		39.4	4.1	20	-6.7	1970	
9	49.3	9.6	58.3	14.6	75	23.9	1972		40.3	4.6	20	-6.7	1970	
10	47.5	8.6	56.6	13.7	76	24.4	1972		38.4	3.6	12	-11.1	1952	
11	48.1	8.9	56.1	13.4	74	23.3	1972		40.1	4.5	10	-12.2	1982	
12	47.7	8.7	56.5	13.6	76	24.4	1972		39.0	3.9	13	-10.6	1962	
13	49.3	9.6	57.3	14.1	74	23.9	1972		41.2	5.1	13	-10.6	1981	
14	49.3	9.6	57.6	14.2	75	23.9	1971		41.5	5.0	21	-6.1	1964	
15	49.4	9.7	54.7	15.4	74	25.6	1971		39.2	4.0	21	-6.1	1982	
16	46.9	8.3	57.0	13.9	74	21.1	1974		36.9	2.7	21	-6.1	1972	
17	47.3	8.3	56.3	13.5	68	20.6	1980*		37.7	3.2	19	-7.2	1977	
18	50.0	10.0	60.1	15.6	73	22.4	1974		40.0	4.4	22	-5.6	1977	
19	51.3	10.7	59.3	15.2	73	22.8	1982		43.2	6.2	13	-10.6	1977	
20	51.1	10.6	59.4	15.2	74	24.4	1982		42.9	6.1	23	-5.0	1977	
21	50.1	10.1	58.6	14.8	75	23.9	1982		41.6	5.3	24	-4.4	1977	
22	52.0	11.1	60.4	15.8	73	22.8	1982		43.7	6.5	22	-5.6	1961	
23	54.4	12.4	63.3	17.4	77	25.0	1971		45.6	7.6	19	-7.2	1963	
24	52.8	11.1	60.8	16.0	75	23.9	1972		43.1	6.2	9	-12.8	1963	
25	52.7	11.5	61.2	16.2	74	24.4	1974		44.1	6.7	18	-7.8	1963	
26	54.6	12.6	62.8	17.1	76	24.4	1965		46.3	7.9	28	-2.2	1977	
27	52.6	11.4	60.9	16.1	72	22.2	1975		44.2	6.8	26	-3.3	1966	
28	52.9	11.6	62.3	16.9	75	24.4	1974		43.6	6.4	27	-2.6	1963	
29	52.4	11.3	61.6	16.4	76	24.4	1974		43.3	6.3	21	-6.1	1955	
30	52.7	11.5	61.5	16.4	76	24.4	1974		43.9	6.6	9	-12.8	1966	
31	53.2	11.8	61.6	16.4	76	24.4	1975		44.8	7.1	19	-7.2	1966	
Monthly	50.7	10.4	59.5	15.3	74	25.6	1972*		41.8	5.4	9	-12.8	1966*	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1956-1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	54.9	12.7	62.8	17.1	77	25.0	1975		47.0	8.3	24	-4.4	1977
2	53.7	12.1	61.9	16.6	79	26.1	1975		45.5	7.5	25	-3.9	1980*
3	51.3	10.7	59.7	15.4	77	25.0	1974		42.8	6.0	25	-3.9	1981
4	51.0	10.6	60.3	15.7	73	22.3	1957		41.7	5.4	19	-7.2	1970
5	52.7	11.5	62.0	16.7	79	26.1	1975		43.5	6.4	28	-2.2	1966
6	53.0	11.7	62.1	16.7	73	22.8	1974		44.0	6.7	24	-4.4	1977
7	50.8	10.4	60.0	15.6	75	23.9	1974		41.6	5.3	27	-2.8	1978
8	49.5	9.7	59.7	15.4	73	22.8	1957		39.3	4.1	23	-5.0	1976
9	51.3	10.7	60.3	15.7	75	23.9	1957		42.4	5.8	25	-3.9	1971
10	50.8	10.4	60.0	15.6	74	23.3	1959*		41.7	5.4	22	-5.6	1979
11	51.8	11.0	62.4	16.9	76	24.4	1975		41.2	5.1	27	-2.8	1979*
12	50.9	10.5	60.4	15.8	74	25.6	1975		41.3	5.2	22	-5.6	1981
13	51.2	10.7	60.1	15.6	74	23.3	1959		42.3	5.7	21	-6.1	1958
14	52.7	11.5	62.7	17.1	73	22.8	1961		42.7	5.9	27	-2.8	1971*
15	55.7	13.2	63.9	17.7	73	22.8	1961		47.6	8.7	28	-2.2	1960
16	54.6	12.6	62.8	17.1	79	26.1	1975		46.5	8.1	28	-2.2	1977*
17	53.4	11.9	60.7	15.9	80	26.7	1975		46.0	7.8	27	-2.8	1958
18	55.4	13.0	63.4	17.4	79	26.1	1975		47.3	9.5	22	-5.6	1958
19	54.1	12.3	63.4	17.4	76	24.4	1981		44.7	7.1	28	-2.2	1960*
20	53.7	12.1	63.1	17.3	81	27.2	1981		44.2	6.8	30	-1.1	1958
21	56.1	13.4	65.4	18.6	75	23.9	1982		46.8	8.2	29	-1.7	1978
22	53.8	12.1	62.4	16.9	76	24.4	1975		45.1	7.3	26	-3.3	1978
23	55.0	12.8	63.6	17.6	78	25.6	1975		46.4	8.0	25	-3.9	1964
24	55.4	13.0	64.4	18.0	75	23.9	1982*		46.4	8.0	29	-1.7	1978
25	53.6	12.0	62.6	17.0	75	23.9	1982		44.6	7.0	30	-1.1	1974*
26	53.5	11.9	63.4	17.4	77	25.0	1981		43.6	6.4	25	-3.9	1974
27	55.1	12.8	64.8	18.2	81	27.2	1981		45.3	7.4	28	-2.2	1963
28	56.4	13.8	66.2	19.0	72	25.6	1981		47.4	8.6	36	2.2	1977
29	53.8	12.1	63.6	17.6	73	22.8	1972		44.0	6.7	33	.6	1964
30													
31													
Monthly	53.3	11.8	62.3	16.8	81	27.2	1981		44.2	6.8	19	-7.2	1970

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1956-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	55.3	12.9	64.1	17.8	74	23.3	1981*		46.5	8.1	29	-1.7	1980
2	56.9	13.8	65.3	18.5	74	25.6	1971		48.6	9.2	23	-5.0	1980
3	56.3	13.5	64.3	17.9	74	23.3	1974		48.4	9.1	21	-6.1	1980
4	56.8	13.8	64.4	18.0	76	24.4	1979		49.1	9.5	25	-3.9	1960
5	57.3	14.1	65.1	18.4	77	25.0	1981		49.6	9.8	27	-2.8	1978
6	55.6	13.1	64.6	18.1	76	24.4	1976		46.7	8.2	26	-3.3	1960
7	56.1	13.4	64.0	17.8	75	23.9	1975*		48.1	8.9	30	-1.1	1966*
8	55.0	12.8	63.9	17.7	74	23.6	1974		46.1	7.8	30	-1.1	1982
9	57.3	14.1	66.3	19.1	77	25.0	1973		48.3	9.1	33	.6	1982
10	58.8	14.9	67.3	19.6	82	27.8	1980		50.2	10.1	33	.6	1969
11	60.8	16.0	68.2	20.1	80	26.7	1975		53.4	11.9	33	.6	1969
12	61.8	16.6	69.1	20.6	80	26.7	1974		54.4	12.4	36	2.2	1960
13	59.9	15.5	67.9	19.9	80	26.7	1982*		51.8	11.0	33	.6	1960
14	60.0	15.6	68.3	20.2	82	27.8	1963		51.6	10.9	35	1.7	1970
15	61.3	16.3	70.5	21.4	81	27.2	1971		52.0	11.1	38	3.3	1958
16	60.1	15.6	69.0	20.6	81	27.2	1977		51.3	10.7	39	3.9	1970*
17	59.2	15.1	68.7	20.4	82	27.3	1982		49.7	9.8	31	-0.6	1981*
18	60.4	15.8	69.2	20.7	83	28.3	1982		51.5	10.8	36	2.2	1978
19	61.0	16.1	69.3	20.7	80	26.7	1982*		52.8	11.6	40	4.4	1962*
20	60.7	15.9	69.0	20.6	81	27.2	1982		52.3	11.3	34	1.1	1956
21	60.2	15.7	69.0	20.6	81	27.2	1982		51.5	10.8	35	1.7	1965
22	58.9	14.9	68.1	20.1	81	27.2	1975*		49.6	9.8	34	1.1	1960
23	59.2	15.1	68.4	20.2	81	27.2	1972		50.0	10.0	34	1.1	1968
24	60.2	15.7	68.9	20.5	81	27.2	1975		51.6	10.9	30	-1.1	1968
25	60.0	15.6	68.5	20.3	80	26.7	1975		51.4	10.8	36	2.2	1981*
26	58.3	14.6	66.9	19.4	75	23.9	1963		49.6	9.8	32	.0	1979
27	59.7	15.4	68.0	20.0	79	26.1	1959		51.4	10.8	37	2.8	1969
28	62.5	16.9	69.9	21.1	81	27.2	1972		55.2	12.9	35	1.7	1978
29	64.7	18.2	71.6	22.0	87	26.7	1975		57.8	14.3	43	6.1	1978
30	64.6	18.1	72.7	22.6	81	27.2	1978*		56.4	13.6	43	6.1	1971
31	63.4	17.4	71.3	21.8	81	27.2	1978		55.6	13.1	39	3.9	1971
Monthly	59.4	15.2	67.8	19.9	83	28.3	1982		51.0	10.6	21	-6.1	1980

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1956-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	65.0	18.3	72.6	22.6	81	27.2	1974		57.4	14.1	41	5.0	1976
2	64.8	18.2	72.9	22.7	80	26.7	1977		56.6	13.7	40	4.4	1962
3	65.2	18.4	73.1	22.8	82	27.8	1982		57.3	14.1	40	4.4	1971*
4	65.5	18.6	73.6	23.1	84	28.9	1979*		57.4	14.1	39	3.9	1975
5	63.7	17.6	72.1	22.3	79	26.1	1982		55.3	12.9	44	6.7	1966
6	63.1	17.3	72.7	22.6	79	26.1	1972*		53.5	11.9	41	5.0	1971
7	63.7	17.6	72.8	22.7	81	27.2	1972*		54.6	12.6	37	2.8	1971
8	65.4	18.6	74.2	23.4	84	28.9	1978*		56.6	13.7	40	4.4	1971
9	65.5	18.6	74.3	23.5	81	27.2	1979		56.7	13.7	43	6.1	1957
10	63.7	17.6	71.8	22.1	81	27.2	1963		55.5	13.1	44	6.7	1974
11	64.6	18.1	72.9	22.7	80	26.7	1968*		56.3	13.5	38	3.3	1973
12	66.4	19.1	74.5	23.6	84	28.9	1963		58.4	14.7	44	6.7	1982
13	66.3	19.1	74.7	23.7	82	27.8	1976		57.9	14.4	46	7.8	1959
14	65.9	18.8	74.3	23.5	84	28.9	1979		57.6	14.2	42	5.6	1959
15	66.7	19.3	75.7	24.3	88	31.1	1981		57.6	14.2	49	9.4	1962*
16	65.6	18.7	74.2	23.4	83	28.3	1979		57.0	13.9	39	3.9	1962
17	66.7	19.3	74.9	23.8	80	26.7	1979*		58.5	14.7	39	3.9	1962
18	68.7	20.4	76.1	24.5	86	30.0	1967		61.4	16.3	49	9.4	1956
19	69.1	20.6	77.4	25.2	83	28.3	1979*		60.9	16.1	51	10.6	1961*
20	68.8	20.4	76.4	24.7	83	28.3	1981		61.3	16.3	44	6.7	1978
21	70.7	21.5	77.3	25.2	85	29.4	1980		64.1	17.8	45	7.2	1978
22	71.1	21.7	77.5	25.3	85	29.4	1958		64.7	18.2	52	11.1	1976
23	70.9	21.6	77.7	25.4	87	30.6	1980		64.2	17.9	49	9.4	1959
24	70.1	21.2	77.5	25.3	85	29.4	1972		62.7	17.1	50	10.0	1968*
25	69.6	20.9	77.3	25.2	82	27.8	1969*		61.9	16.6	46	7.8	1968
26	69.7	20.9	77.4	25.2	83	28.3	1975*		62.0	16.7	51	10.6	1978
27	69.8	21.0	77.7	25.4	83	28.3	1970*		61.9	16.6	49	9.4	1981*
28	70.1	21.2	77.9	25.5	83	28.3	1970		62.4	16.9	44	6.7	1978
29	70.6	21.4	78.2	25.7	86	30.0	1964		63.1	17.3	50	10.0	1979
30	71.2	21.8	78.5	25.8	85	29.4	1981*		63.8	17.7	51	10.6	1969*
31													
Monthly	67.3	19.6	75.3	24.1	88	31.1	1981		59.3	15.2	37	2.8	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1955-1982

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	71.1	21.7	78.5	25.8	85	29.4	1981		63.8	17.7	52	11.1	1969*
2	71.1	21.7	78.3	25.7	88	31.1	1975		63.8	17.7	52	11.1	1981
3	70.5	21.4	78.4	25.8	83	28.3	1982*		62.6	17.0	48	8.9	1981
4	70.8	21.6	79.4	26.3	88	31.1	1975		62.2	16.8	47	8.3	1971
5	71.1	21.7	79.4	26.3	86	30.0	1959		62.7	17.1	53	11.7	1982*
6	72.0	22.2	79.4	26.3	88	31.1	1980		64.6	18.1	51	10.6	1968
7	73.0	22.8	80.5	26.9	91	32.8	1959		65.5	18.6	52	11.1	1958
8	73.1	22.8	80.5	26.9	89	31.7	1959		65.6	18.7	48	8.9	1960
9	73.2	22.9	80.8	27.1	89	31.7	1966		65.6	18.7	48	8.9	1960
10	72.4	22.4	80.3	26.8	89	31.7	1975		64.6	18.1	52	11.1	1969*
11	72.9	22.7	79.9	26.6	86	30.0	1963*		65.9	18.8	50	10.0	1960
12	73.4	23.0	80.9	27.2	92	33.3	1974*		65.9	18.8	48	8.9	1960
13	73.2	22.9	81.1	27.3	86	30.0	1974*		65.2	18.4	44	6.7	1960
14	73.3	22.9	81.2	27.3	87	30.6	1959		65.5	18.6	51	10.6	1960
15	73.4	23.0	81.4	27.4	89	31.1	1963		65.3	18.5	54	12.2	1964
16	73.5	23.1	81.8	27.7	92	33.3	1979		65.1	18.4	54	12.2	1973*
17	73.6	23.1	81.8	27.7	87	30.6	1982		65.4	18.6	54	12.2	1956
18	74.7	23.7	82.8	28.2	91	32.8	1975		66.5	19.2	51	10.6	1976
19	75.4	24.1	83.3	28.5	93	32.2	1975*		67.4	19.7	50	10.0	1976
20	75.4	24.1	83.9	28.8	90	32.2	1982		66.9	19.4	50	10.0	1976
21	76.4	24.7	84.7	29.3	92	33.3	1964		68.2	20.1	55	12.8	1981
22	76.1	24.5	83.6	28.7	93	33.9	1975		68.6	20.3	55	12.8	1981
23	76.2	24.6	84.0	28.9	93	33.9	1975		68.5	20.3	58	14.4	1981*
24	76.6	24.8	84.7	29.3	91	32.8	1969		68.5	20.3	55	12.8	1967
25	76.9	24.9	84.9	29.4	92	33.3	1978		68.8	20.4	49	9.4	1979
26	76.8	24.9	84.8	29.3	94	34.4	1975		68.8	20.4	45	7.2	1979
27	76.7	24.8	84.8	29.3	92	33.3	1964		68.6	20.3	50	10.0	1961
28	77.0	25.0	85.0	29.4	92	33.3	1975		69.1	20.6	53	11.7	1961
29	76.5	24.7	85.0	29.4	91	32.8	1975		67.9	19.9	58	14.4	1961
30	77.6	25.3	85.9	29.9	92	33.3	1963		69.4	20.8	56	13.3	1971
31	77.1	25.1	85.2	29.6	97	32.2	1969*		69.1	20.6	60	15.6	1971
Monthly	74.2	23.4	82.1	27.8	94	34.4	1975		66.3	19.1	44	6.7	1960

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1955-1982

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	77.6	25.3	85.4	29.7	93	32.2	1982		69.7	20.9	56	13.3	1972	
2	76.7	24.8	84.9	29.4	93	32.2	1959		68.6	20.3	54	12.2	1972	
3	77.0	25.0	85.5	29.7	92	33.3	1968		68.4	20.2	56	14.4	1956	
4	78.1	25.6	86.8	30.4	93	33.9	1980*		69.5	20.8	60	15.6	1956	
5	78.7	25.9	86.3	30.2	93	33.9	1980		71.2	21.8	63	17.2	1956	
6	78.7	25.9	86.5	30.3	94	34.4	1975		70.9	21.6	62	16.7	1976	
7	78.8	26.0	87.2	30.7	93	33.9	1972*		70.5	21.4	60	15.6	1982	
8	78.8	26.0	86.5	30.3	94	34.4	1963		71.1	21.7	58	14.4	1976	
9	80.1	26.7	87.4	30.8	98	36.7	1963		72.9	22.7	60	15.6	1976	
10	79.7	26.5	87.1	30.6	96	35.6	1982		72.4	22.4	60	15.6	1976	
11	80.1	26.7	87.5	30.8	94	34.4	1964		72.6	22.6	61	16.1	1980	
12	80.1	26.7	88.3	31.3	95	35.0	1980		71.9	22.2	62	16.7	1979	
13	80.0	26.7	87.8	31.0	92	33.3	1978*		72.2	22.3	54	14.4	1979	
14	80.9	27.2	87.9	31.1	97	36.1	1970		73.8	23.2	66	18.9	1978	
15	80.9	27.2	87.7	30.9	93	33.9	1977*		74.1	23.4	68	20.0	1976*	
16	80.1	26.7	87.5	30.8	97	36.1	1981		72.7	22.6	65	18.3	1969	
17	80.0	26.7	87.7	30.9	99	37.2	1981		72.2	22.3	62	16.7	1969	
18	80.8	27.1	88.4	31.3	95	36.7	1981		73.1	22.8	66	18.9	1961	
19	80.7	27.1	88.5	31.4	96	35.6	1979*		72.9	22.7	65	18.3	1972	
20	81.0	27.2	89.0	31.7	96	35.6	1979		73.0	22.8	66	18.9	1979	
21	80.7	27.1	88.2	31.2	95	35.0	1964		73.2	22.9	63	17.2	1976	
22	80.8	27.1	88.4	31.3	94	34.4	1982		73.2	22.9	58	14.4	1976	
23	81.4	27.4	88.2	31.2	99	37.2	1978		74.7	23.7	67	19.4	1972	
24	80.8	27.1	87.7	30.9	96	35.6	1978		73.8	23.2	66	18.9	1962*	
25	80.9	27.2	88.3	31.3	96	35.6	1978		73.5	23.1	61	16.1	1974	
26	80.7	27.1	87.9	31.1	93	33.9	1971		73.6	23.1	68	20.0	1979*	
27	80.9	27.2	88.6	31.4	94	34.4	1978		73.1	22.8	63	17.2	1974	
28	81.2	27.3	89.1	31.7	93	34.7	1978		73.4	23.0	63	17.2	1974	
29	81.1	27.3	89.1	31.7	101	38.3	1978		73.0	22.8	66	18.9	1961	
30	81.7	27.6	89.1	31.7	98	36.7	1980		74.9	23.6	67	19.4	1981*	
31														
Monthly	80.0	26.7	87.6	30.9	101	38.3	1974		72.3	22.4	54	12.2	1972	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1955-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	81.4	27.4	89.1	31.7	95	35.0	1979		73.8	23.2	67	19.4	1981*
2	82.3	27.9	90.0	32.2	96	35.6	1979*		74.5	23.6	68	20.0	1976
3	82.0	27.8	89.3	31.9	95	35.0	1979		74.7	23.7	68	20.0	1961
4	81.1	27.3	88.5	31.4	96	35.6	1982*		73.7	23.2	69	20.6	1960
5	81.7	27.6	89.4	31.9	98	36.7	1975		74.1	23.4	70	21.1	1968*
6	82.2	27.9	89.3	31.8	95	35.0	1980		75.1	23.9	69	20.6	1976
7	82.1	27.8	89.2	31.8	102	38.9	1980		74.9	23.8	67	19.4	1972
8	81.7	27.6	88.9	31.6	99	37.2	1966		74.6	23.7	68	20.0	1964
9	82.2	27.9	89.5	31.9	94	36.7	1973		74.9	23.8	73	21.1	1972
10	81.4	27.4	88.7	31.5	98	36.7	1957		74.0	23.3	70	21.1	1967*
11	81.1	27.3	88.5	31.4	99	37.2	1980		73.7	23.2	67	19.4	1964*
12	82.0	27.8	89.5	31.9	103	39.4	1980		74.5	23.6	70	21.1	1963
13	81.8	27.7	88.7	31.5	102	38.9	1980		74.8	23.8	68	20.0	1972
14	82.2	27.9	89.7	32.1	104	40.0	1980		74.7	23.7	66	18.9	1967
15	82.3	27.9	89.4	31.9	101	38.3	1981		75.2	24.0	61	16.1	1967
16	82.0	27.8	89.2	31.8	100	37.8	1981		74.8	23.8	62	16.7	1967
17	82.1	27.8	89.2	31.8	98	36.7	1981		75.0	23.9	69	20.6	1969
18	81.9	27.7	89.1	31.7	100	37.8	1981		74.8	23.8	69	20.6	1967
19	82.1	27.8	88.8	31.6	96	35.6	1981		75.3	24.1	71	21.7	1982*
20	81.8	27.7	88.7	31.5	95	35.0	1975		74.9	23.8	68	20.0	1967
21	81.4	27.4	88.2	31.2	94	34.4	1982		74.6	23.7	70	21.1	1976
22	81.8	27.7	89.1	31.7	99	37.2	1981		74.5	23.6	69	20.6	1956
23	81.5	27.5	88.5	31.4	96	35.6	1976		74.4	23.6	70	21.1	1976*
24	81.2	27.3	88.1	31.2	94	34.4	1981*		74.4	23.6	66	18.9	1963
25	82.2	27.9	89.2	31.8	94	34.4	1981		75.1	23.9	70	21.1	1980*
26	82.0	27.8	89.0	31.7	94	36.7	1960		75.0	23.9	69	20.6	1963
27	82.1	27.8	89.2	31.8	95	36.7	1970		75.0	23.9	71	21.7	1976*
28	82.5	28.1	89.7	32.1	96	35.6	1968		75.4	24.1	70	21.1	1969
29	82.8	28.2	90.1	32.3	96	35.6	1981		75.6	24.2	71	21.7	1974
30	81.6	27.6	89.1	31.7	96	35.6	1981		74.2	23.4	70	21.1	1976*
31	81.7	27.6	88.6	31.4	93	33.9	1981*		74.9	23.8	69	20.6	1971
Monthly	81.9	27.7	89.1	31.7	104	40.0	1980		74.7	23.7	61	16.1	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION PENSACOLA, FLORIDA
STATION NAME

1955-1982
YEARS

AUGUST
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	82.0	27.8	89.2	31.8	94	34.4	1968*	74.8	23.8	70	21.1	1971		
2	81.7	27.6	88.6	31.4	92	33.3	1979*	74.8	23.8	70	21.1	1976		
3	82.0	27.8	89.5	31.9	95	35.0	1964	74.5	23.6	70	21.1	1976*		
4	82.0	27.8	88.9	31.6	96	35.6	1972	75.0	23.9	69	20.6	1969		
5	82.1	27.8	89.1	31.7	97	36.1	1972	75.1	23.9	70	21.1	1969		
6	81.8	27.7	89.0	31.7	95	35.0	1972	74.6	23.7	70	21.1	1974*		
7	82.7	28.2	89.9	32.2	100	37.8	1956	75.6	24.2	68	20.0	1974*		
8	81.9	27.7	88.7	31.5	96	35.6	1972	75.2	24.0	70	21.1	1975		
9	81.9	27.7	88.6	31.4	94	34.4	1981*	75.2	24.0	62	16.7	1976		
10	82.0	27.8	89.1	31.7	95	35.0	1962	75.0	23.9	59	15.0	1976		
11	81.5	27.5	89.0	31.7	95	35.0	1972*	74.0	23.3	61	16.1	1976		
12	82.1	27.8	89.7	32.1	95	35.0	1972	74.4	23.6	62	16.7	1967		
13	82.2	27.9	89.6	32.0	99	36.7	1972	74.9	23.8	68	20.0	1967		
14	81.1	27.3	88.2	31.2	93	33.9	1981	73.9	23.3	68	20.0	1967		
15	81.7	27.6	89.2	31.8	94	34.4	1979	74.1	23.4	68	20.0	1969		
16	81.7	27.6	89.2	31.8	95	35.6	1976	74.2	23.4	65	18.3	1979		
17	81.7	27.6	89.4	31.9	95	35.0	1981	74.0	23.3	70	21.1	1967		
18	82.0	27.8	89.4	31.9	95	35.0	1980*	74.5	23.6	71	21.7	1973		
19	81.6	27.6	89.6	32.0	97	36.1	1980*	73.6	23.1	65	18.3	1976		
20	81.9	27.7	89.8	32.1	100	37.8	1972	74.0	23.3	68	20.0	1976		
21	81.7	27.6	89.1	31.7	95	35.0	1978*	74.3	23.5	68	20.0	1961		
22	81.1	27.3	88.6	31.4	100	37.8	1980	73.6	23.1	64	17.8	1973*		
23	81.4	27.4	88.9	31.6	98	36.7	1980	74.0	23.3	67	19.4	1973		
24	80.6	27.0	88.1	31.2	98	36.7	1968	73.2	22.9	67	19.4	1966		
25	81.1	27.3	88.6	31.4	95	35.0	1982	73.6	23.1	67	19.4	1966		
26	80.8	27.1	88.2	31.2	98	36.7	1982	73.4	23.0	67	19.4	1966		
27	81.4	27.4	89.5	31.9	96	35.6	1982*	73.4	23.0	66	18.9	1958		
28	81.7	27.6	89.1	31.7	95	35.0	1975	74.4	23.6	69	20.6	1968		
29	81.8	27.7	89.3	31.8	95	35.0	1982*	74.2	23.4	66	20.0	1973		
30	80.7	27.1	88.2	31.2	94	34.4	1976*	73.2	22.9	69	20.6	1968		
31	81.1	27.3	88.5	31.4	92	33.3	1972*	73.6	23.1	68	20.0	1968		
Monthly	81.6	27.6	89.0	31.7	100	37.8	1980*	74.3	23.5	59	15.0	1976		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1955-1982

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	81.2	27.3	88.5	31.9	95	35.0	1975		73.8	23.2	66	18.9	1967
2	80.7	27.1	88.6	31.9	93	36.7	1975		72.8	22.7	64	17.8	1967
3	80.6	27.0	87.7	30.9	93	33.9	1975*		73.5	23.1	67	19.4	1974
4	80.6	27.0	87.1	30.6	93	33.9	1975*		74.0	23.3	63	17.2	1974
5	80.6	27.0	87.7	30.9	95	35.0	1970*		73.6	23.1	62	16.7	1974
6	80.3	26.8	86.5	30.3	94	34.4	1960		74.2	23.4	68	20.0	1967
7	80.8	27.1	87.8	31.0	94	34.4	1980		73.8	23.2	66	18.9	1974
8	80.7	27.1	88.2	31.2	95	35.0	1981		73.3	22.9	70	21.1	1965
9	79.8	26.6	86.7	30.9	97	36.1	1972		72.9	22.7	65	18.3	1957
10	79.3	26.3	86.5	30.3	95	35.0	1980		72.2	22.3	60	15.6	1976
11	78.9	26.1	86.2	30.1	93	33.9	1960		71.6	22.0	55	12.8	1976
12	79.0	26.1	86.0	30.0	94	34.4	1970		71.9	22.2	60	15.6	1969
13	78.7	25.9	86.2	30.1	91	32.9	1980*		71.3	21.8	63	17.2	1969*
14	78.1	25.6	86.1	30.1	93	33.9	1980		70.1	21.2	58	14.4	1964
15	78.4	25.8	86.1	30.1	94	34.4	1980		70.7	21.5	60	15.6	1976
16	78.1	25.6	85.1	29.5	93	33.9	1972		71.1	21.7	55	12.8	1961
17	78.2	25.7	85.1	29.5	93	33.9	1982		71.4	21.9	62	16.7	1967*
18	77.9	25.5	85.2	29.6	93	33.9	1960		70.6	21.4	54	12.2	1981
19	77.9	25.5	86.0	30.0	92	33.3	1972*		69.7	20.9	44	8.9	1981
20	78.7	25.9	86.6	30.3	92	33.3	1978*		70.7	21.5	47	8.3	1981
21	78.2	25.7	85.9	29.9	94	34.4	1960		70.5	21.4	52	11.1	1981
22	77.4	25.2	85.1	29.5	94	34.4	1978		69.6	20.9	52	11.1	1982
23	76.3	24.6	84.9	29.4	93	33.9	1978*		67.7	19.8	49	9.4	1982
24	76.5	24.7	84.6	29.2	94	34.4	1961		68.3	20.2	47	8.3	1982
25	76.5	24.7	84.8	29.3	92	33.3	1961		68.2	20.1	49	9.4	1975
26	76.6	24.8	84.2	29.0	92	33.3	1968*		69.0	20.6	50	10.0	1975
27	76.6	24.8	84.4	29.1	93	33.9	1958		68.9	20.5	49	9.4	1975
28	75.5	24.2	83.7	28.7	94	34.4	1961		67.3	19.6	52	11.1	1975
29	75.6	24.2	83.8	28.8	92	33.3	1981		67.4	19.7	46	7.8	1967
30	74.8	23.8	82.9	28.3	91	32.2	1959		66.6	19.2	51	10.6	1967
31													
Monthly	78.4	25.8	85.9	29.9	98	36.7	1975		70.9	21.6	46	7.8	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1955-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	73.6	23.1	82.5	28.1	92	32.2	1971		64.8	18.2	46	8.9	1967	
2	74.0	23.3	83.3	28.5	92	32.2	1971*		64.6	18.1	47	8.3	1967	
3	72.9	22.7	82.1	27.8	92	32.2	1968		63.7	17.6	46	8.9	1974	
4	72.7	22.6	82.2	27.9	92	32.2	1971		63.1	17.3	47	8.3	1980	
5	72.5	22.5	81.1	27.3	91	32.0	1973		63.0	17.7	46	7.8	1979	
6	72.4	22.4	81.2	27.3	89	31.1	1973		63.6	17.6	47	8.3	1979*	
7	72.6	22.6	81.3	27.4	89	31.1	1981*		63.9	17.7	44	6.7	1964	
8	72.3	22.4	81.2	27.3	89	31.7	1968		63.5	17.5	47	8.3	1964	
9	72.7	22.6	82.3	27.9	87	30.6	1968*		63.1	17.3	46	8.9	1964	
10	72.2	22.3	82.0	27.8	89	31.7	1982*		62.4	16.9	47	8.3	1977	
11	71.6	22.0	81.0	27.2	90	32.2	1982*		62.2	16.8	44	6.7	1964	
12	71.2	21.8	80.7	27.1	86	30.0	1982*		61.6	16.4	49	9.4	1977	
13	71.4	21.9	80.9	27.2	89	31.7	1960		62.0	16.7	42	5.6	1980*	
14	70.4	21.3	79.8	26.6	89	31.7	1972		61.1	16.2	39	3.9	1977	
15	69.9	21.0	78.7	25.9	89	31.7	1972		60.9	16.1	39	3.9	1977	
16	70.2	21.2	79.2	26.2	89	31.1	1960		61.1	16.2	41	5.0	1977	
17	69.4	20.8	78.9	26.1	89	31.7	1972		59.9	15.5	39	3.9	1977	
18	68.9	20.5	78.8	26.0	87	30.6	1972*		58.9	14.9	41	5.0	1977	
19	67.2	19.6	77.4	25.2	86	30.0	1972		57.0	13.9	44	6.7	1967	
20	64.7	18.2	75.1	23.9	84	28.9	1968*		54.2	12.3	36	2.2	1981	
21	64.4	19.1	76.6	24.8	86	30.0	1963		56.1	13.4	41	5.0	1976	
22	67.4	19.7	77.4	25.2	86	30.0	1963		57.4	14.1	41	5.0	1976	
23	68.2	20.1	78.2	25.7	85	29.4	1973		58.1	14.5	46	7.8	1976	
24	68.2	19.0	75.4	24.1	85	29.4	1978		57.1	13.9	39	3.9	1982	
25	64.0	17.8	74.3	23.5	84	28.9	1958		53.7	12.1	34	1.1	1982	
26	63.0	17.2	74.8	23.8	83	28.3	1973		51.2	10.7	37	2.8	1982	
27	64.4	18.0	75.1	23.9	85	29.4	1978*		53.7	12.1	36	2.2	1982	
28	64.7	18.2	74.8	23.8	88	31.1	1963		54.5	12.5	36	2.2	1957	
29	64.9	18.3	73.9	23.3	85	29.4	1971		56.0	13.3	39	3.9	1964	
30	64.2	19.0	74.3	23.5	82	27.4	1979*		58.2	14.6	41	5.0	1963	
31	64.4	19.1	75.2	24.0	84	28.9	1961		57.7	14.3	40	4.4	1980	
Monthly	69.2	20.7	78.7	25.9	91	32.8	1973		59.6	15.3	34	1.1	1982	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PENSACOLA, FLORIDA

1955-1982

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	65.5	18.6	75.6	24.2	84	28.9	1972	55.4	13.0	40	4.4	1962
2	65.2	18.4	74.8	23.8	86	30.0	1972*	55.6	13.1	33	.6	1966
3	63.9	17.7	74.0	23.3	86	30.0	1973	53.7	12.1	28	-2.2	1966
4	61.6	16.4	70.7	21.5	83	28.3	1974	52.6	11.4	32	.0	1966
5	61.0	16.1	70.5	21.4	82	27.8	1959	51.5	10.8	32	.0	1976
6	60.5	15.8	70.0	21.1	74	25.6	1978*	51.0	10.6	30	-1.1	1982
7	60.7	15.9	71.6	22.0	82	27.8	1975*	49.7	9.8	29	-1.7	1959
8	60.0	15.6	69.9	21.1	81	27.2	1973	50.1	10.1	31	-.6	1976
9	60.6	15.9	69.9	21.1	82	27.8	1965	51.3	10.7	30	-1.1	1976
10	59.1	15.1	69.4	20.8	81	27.2	1975	48.7	9.3	36	2.2	1956
11	60.2	15.7	70.2	21.2	80	26.7	1975*	50.3	10.2	37	2.8	1971
12	61.4	16.3	71.4	21.9	81	27.2	1978*	51.4	10.8	33	.6	1968
13	60.5	15.8	69.7	20.9	79	26.1	1972	51.3	10.7	32	.0	1968
14	59.9	15.5	69.7	20.9	81	27.2	1973	50.2	10.1	30	-1.1	1963
15	59.4	15.2	68.4	20.2	80	26.7	1978*	50.5	10.3	30	-1.1	1969
16	61.2	16.2	70.9	21.6	81	27.2	1963	51.6	10.9	34	1.1	1975
17	61.5	16.4	70.2	21.2	81	27.2	1978	52.7	11.5	33	.6	1970
18	60.0	15.6	69.6	20.9	78	25.6	1958	50.3	10.2	31	-.6	1959
19	60.4	15.8	70.1	21.2	80	26.7	1981	50.7	10.4	36	2.2	1959
20	58.9	14.9	68.3	20.2	80	26.7	1973	49.5	9.7	33	.6	1968
21	58.4	14.7	68.5	20.3	74	25.6	1979	48.4	9.1	27	-2.8	1981
22	58.2	14.6	67.5	19.7	78	25.6	1960	48.9	9.4	28	-2.2	1951
23	58.9	14.9	68.1	20.1	78	25.6	1960*	49.6	9.8	29	-1.7	1976
24	58.5	14.7	68.0	20.0	82	27.8	1978*	49.0	9.4	24	-4.4	1970
25	57.0	13.9	67.2	19.6	80	26.7	1973	46.8	8.2	27	-2.8	1970
26	59.3	15.2	68.3	20.2	82	27.8	1973	50.4	10.2	33	.6	1977
27	60.5	15.8	70.4	21.3	81	27.2	1973	50.6	10.3	33	.6	1980
28	58.5	14.7	67.4	19.7	79	26.1	1960	49.6	9.8	32	.0	1980
29	53.5	11.9	62.5	16.9	74	23.3	1978*	44.8	6.9	28	-2.2	1955
30	62.2	11.2	62.4	16.9	79	26.1	1981	42.1	5.6	25	-3.9	1976
31												
Monthly	59.9	15.5	69.5	20.8	86	30.0	1973*	50.3	10.2	24	-4.4	1970

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION PENSACOLA, FLORIDA
STATION NAME

1955-1982
YEARS

DECEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	52.5	11.4	62.7	17.1	79	26.1	1982	42.2	5.7	26	-3.3	1976
2	53.0	13.2	65.5	18.6	81	27.2	1982	46.1	7.8	30	-1.1	1960
3	57.2	14.0	66.9	19.4	80	26.7	1982*	47.5	8.6	30	-1.1	1976
4	56.2	13.4	66.3	19.1	78	25.6	1978	46.1	7.8	31	-.6	1979
5	55.5	13.2	66.0	18.9	77	25.7	1961*	45.6	7.6	32	.0	1974
6	56.4	13.6	65.8	18.8	76	25.6	1961	47.1	8.4	31	-.6	1962
7	55.2	12.9	64.7	18.2	77	25.7	1978	45.7	7.6	28	-2.2	1977
8	53.6	13.1	65.1	18.4	70	26.1	1978	46.1	7.8	30	-1.1	1968*
9	53.9	12.2	63.9	17.7	77	25.7	1972	44.0	6.7	29	-1.7	1968
10	52.6	11.4	61.9	16.6	80	26.7	1972	43.3	6.3	26	-3.3	1978
11	54.7	12.6	64.2	17.9	78	25.6	1961	45.2	7.3	26	-3.3	1962*
12	53.3	11.8	62.1	16.7	78	25.6	1972	44.4	6.9	11	-11.7	1962
13	53.9	12.2	62.8	17.1	74	25.6	1972	45.0	7.2	7	-13.9	1962
14	53.9	12.2	62.1	16.7	77	25.7	1972	45.7	7.6	26	-3.3	1962*
15	53.7	12.1	62.5	16.9	77	25.8	1971	44.9	7.2	24	-4.4	1963
16	53.3	11.8	62.0	16.7	77	25.7	1971	44.5	6.9	25	-3.9	1968*
17	51.8	11.0	62.0	16.7	77	25.7	1961	41.6	5.3	26	-3.3	1963
18	51.5	10.8	62.5	16.9	75	23.9	1956	40.5	4.7	24	-4.4	1979
19	54.8	12.7	64.7	18.2	75	23.9	1978	44.9	7.2	19	-7.2	1981
20	54.4	12.4	62.9	17.2	76	24.4	1978	46.0	7.8	22	-5.6	1981
21	52.4	11.3	61.5	16.4	76	24.4	1971	43.4	6.3	26	-3.3	1975*
22	52.4	11.3	61.8	16.6	79	26.1	1972	43.0	6.1	22	-5.6	1960
23	53.8	12.1	63.1	17.3	75	23.9	1970	44.6	7.0	24	-4.4	1960
24	53.7	12.1	62.3	16.8	75	23.9	1974	45.1	7.3	25	-3.9	1975*
25	52.8	11.6	60.9	16.1	74	23.3	1974	44.6	7.0	27	-2.8	1966
26	51.7	10.9	60.5	15.9	76	24.4	1982*	42.8	6.0	26	-3.3	1977
27	53.2	11.8	62.0	16.7	74	23.3	1982*	44.4	6.9	22	-5.6	1977
28	54.1	12.3	63.2	17.3	75	23.9	1971	45.0	7.2	30	-1.1	1977
29	54.4	12.4	62.4	16.9	77	25.8	1971	46.5	8.1	28	-2.2	1961
30	55.0	12.8	63.2	17.3	77	25.8	1971	46.7	8.2	31	-.6	1980*
31	54.7	12.6	62.1	16.7	77	25.8	1971	47.3	8.5	27	-2.8	1980
Monthly	54.0	12.2	63.2	17.3	81	27.2	1982	44.8	7.1	7	-13.9	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

03455

PENSACOLA, FLORIDA

55-87

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5						90	94	96	92	87	79	75	
56	70	72	77	78	89	91	93	100	89	88	79	75	100
57	75	75	79	79	86	90	98	92	89	82	82	69	98
58	66	73	71	85	90	92	95	95	93	86	82	77	95
59	71	74	79	82	91	94	91	95	91	88	82	71	95
60	72	70	76	82	88	92	98	94	94	89	81	75	95
61	64	78	78	81	90	90	94	94	95	86	83	78	95
62	74	75	74	80	91	88	94	95	90	87	75	71	95
63	70	72	82	84	92	96	93	95	93	89	78	70	98
64	70	66	77	86	92	95	92	95	94	82	80	76	95
65	76	73	80	81	90	92	95	92	91	81	82	75	95
66	74	69	77	81	89	94	99	94	89	89	80	73	99
67	73	74	77	86	90	94	90	90	93	86	78	76	94
68	73	73	76	80	90	94	96	98	94	90	80	71	98
69	75	76	76	84	91	97	95	92	93	88	81	73	97
70	70	72	74	85	91	97	98	94	95	89	76	79	98
71	76	74	81	83	87	94	95	94	89	90	86	77	95
72	74	76	81	85	88	93	94	100	97	89	86	80	100
73	72	72	79	82	87	92	98	92	89	91	86	73	98
74	76	77	81	81	92	94	95	90	89	86	83	75	95
75	76	80	81	85	94	94	98	95	98	87	82	76	98
76	72	77	78	83	84	93	96	96	91	85	75	69	96
77	72	73	81	84	90	93	93	90	92	88	77	76	93
78	70	67	81	84	92	101	93	95	94	89	83	80	101
79	72	76	78	84	92	96	97	94	92	89	79	75	97
80	72	72	82	87	90	98	104	100	95	90	80	76	104
81	73	81	80	88	89	99	101	95	95	89	81	76	101
82	76	76	93	82	90	96	96	98	93	90	82	81	98
MEAN	72.6	73.7	78.5	83.0	89.8	94.0	95.5	94.6	92.5	87.5	80.6	74.9	87.7
S.D.	1.261	1.606	2.860	2.473	2.144	3.012	3.024	2.778	2.531	2.531	2.459	3.231	2.536
TOTAL OBS.	437	763	837	810	837	840	868	868	840	868	840	868	10076

SMOS

EXTREME VALUES

3-65	PENSACOLA, FLORIDA
STATION	STATION NAME

55-87 _____ YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

1945 PENSACOLA, FLORIDA 55-82
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45						65	72	71	69	45	28	25	
56	70	37	34	46	54	58	69	64	60	53	71	36	57
57	25	42	37	43	53	70	72	70	60	36	34	21	21
58	24	21	38	45	52	65	71	66	61	48	32	27	21
59	26	33	41	42	61	70	70	71	67	50	29	32	24
60	24	27	25	44	44	63	69	70	65	46	17	22	22
61	22	31	39	44	50	64	67	67	55	47	34	26	22
62	11	32	28	39	56	65	68	67	60	44	34	7	7
63	9	28	39	50	56	66	66	70	55	41	30	24	6
64	21	25	39	45	54	62	67	71	56	41	34	29	21
65	21	28	35	51	52	67	71	70	58	40	34	29	21
66	9	27	30	44	54	59	71	67	62	49	28	27	9
67	29	27	39	53	54	67	61	62	46	43	31	28	27
68	26	29	30	46	51	65	70	68	66	39	32	25	25
69	24	34	33	49	52	61	69	68	58	52	33	33	24
70	20	19	34	47	51	64	70	70	56	55	24	29	19
71	25	25	32	37	47	65	69	71	62	46	36	41	25
72	21	29	39	45	56	54	67	72	56	49	39	28	21
73	26	27	40	38	54	68	72	64	59	43	40	25	25
74	46	25	43	44	50	61	69	68	58	48	38	30	25
75	27	31	37	39	64	67	71	70	49	44	29	21	21
76	21	23	31	41	50	58	68	59	55	41	25	26	21
77	13	24	31	45	57	64	73	71	70	39	33	22	17
78	22	26	27	44	57	66	72	70	66	42	47	26	22
79	20	22	32	43	45	58	71	65	62	45	26	24	22
80	29	25	21	46	54	61	70	69	65	38	32	27	21
81	13	22	31	42	48	67	67	72	47	36	27	19	17
82	10	31	30	42	51	60	71	71	47	34	30	27	10
MEAN	22.0	27.8	33.9	44.3	53.1	63.6	69.4	68.3	59.0	44.1	32.4	26.4	20.7
S.D.	7.889	5.071	5.352	3.841	4.444	3.910	2.465	3.175	6.429	5.326	4.908	5.989	5.944
TOTAL OBS.	637	763	837	810	637	940	868	868	840	864	440	864	17076

SMOS

EXTREME VALUES

355
STATION

PENSACOLA, FLORIDA
STATION NAME

55-8?

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

PSYCHROMETRIC SUMMARY

3905 PENSACOLA, FLORIDA 73-82 JAN NORTH
STATION STATION NAME YEARS PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
76 / 75				.2	.0													7	7		
74 / 73			.2	.2														10	10		
72 / 71		.2	.7	.2	.1	.0	.3			.1								32	32	5	
70 / 69	.1	.9	.7	.3	.1	.1	.1	.0										58	58	18	7
68 / 67	.2	1.8	1.3	.4	.4	.2	.1	.1	.0	.0								113	113	78	30
66 / 65	.7	1.9	1.4	.4	.3	.3	.3	.1	.0									132	132	80	93
64 / 63	1.1	3.5	1.4	.6	.6	.3	.2	.1			.0							192	192	120	99
62 / 61	.5	2.4	1.0	.9	.2	.2	.1	.0	.1	.0								139	139	137	103
60 / 59	.2	1.7	1.4	.6	.5	.2	.2	.1	.1									123	123	129	117
58 / 57	.1	1.9	1.3	.7	.7	.2	.2	.1	.0									130	130	99	90
56 / 55	.4	1.4	.9	.6	.4	.5	.3	.2	.1									114	114	129	102
54 / 53	.4	1.3	1.0	1.2	.3	.3	.2	.1										117	117	118	109
52 / 51	.4	.9	1.1	.7	.7	.4	.2	.2										115	115	103	101
50 / 49	.4	1.0	1.5	.8	.5	.4	.0	.2										120	120	98	79
48 / 47	.3	1.2	.8	.4	.7	.3	.2											100	100	128	75
46 / 45	.2	.7	1.4	1.0	.6	.3	.2											110	110	113	96
44 / 43	.2	.7	1.7	1.0	.9	.5	.2											128	128	104	99
42 / 41		.7	1.1	1.0	.8	.4	.1											102	102	90	86
40 / 39	.0	1.1	1.2	1.5	.7	.4	.0											125	125	125	83
38 / 37		1.0	1.2	.9	.5	.0												91	91	104	77
36 / 35		.9	1.4	1.1	.5	.0												98	98	128	89
34 / 33	.1	.9	1.6	1.0	.4	.0												98	98	128	89
32 / 31	.1	.9	1.5	.8	.0													92	82	102	86
30 / 29		.4	1.0	.6	.1													52	52	115	80
28 / 27	.0	.4	1.0	.2	.0													41	41	84	98
26 / 25		.2	.3	.1														16	16	57	89
24 / 23		.2	.3															12	12	37	94
22 / 21		.1	.3															10	10	22	82
20 / 19		.0	.1															4	4	13	54
18 / 17		.0	.0															2	2	5	40
16 / 15		.0	.0															2	2	3	71
14 / 13		.1	.1															4	4	3	48
12 / 11			.0															1	1	3	39
10 / 9																				1	30
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

03465

PENACOLA, FLORIDA

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
79/79											.1							2	2					
78/77			.1	.0							.0							4	4					
76/75			.3	.1	.0	.0	.0	.0	.0									15	15					
74/73		.1	.1	.1	.1	.1	.2	.0	.0	.0	.1							23	23	4				
72/71		.3	.8	.1	.2	.3	.2	.1	.0		.0							44	44	12				
70/69		1.8	1.1	.4	.5	.5	.1	.2		.0	.0							104	104	28				
68/67	.1	1.4	.8	.6	.2	.3	.2	.1	.1	.0	.0							89	89	65				
66/65	.1	2.1	1.3	1.0	.4	.4	.3	.0	.1		.0							131	131	62				
64/63	.1	2.3	1.0	.5	.7	.5	.2	.0	.0	.0								124	124	90				
62/61		2.0	1.5	1.1	.8	.4	.2	.3	.2									146	146	123				
60/59	.2	1.6	2.0	1.2	.4	.7	.5	.1	.0									151	151	109				
58/57	.1	1.6	2.0	.8	.7	.4	.3	.2										138	138	126				
56/55		1.7	1.8	1.3	.5	.7	.5	.3										155	155	143				
54/53		1.1	1.3	1.0	.7	.4	.1	.0										104	104	150				
52/51		1.4	1.3	.7	.8	.5	.4	.0										118	118	108				
50/49		1.2	1.5	.9	.9	.5	.4	.0										125	125	126				
48/47	.2	1.5	.8	1.0	.5	.3	.1											100	100	127				
46/45	.2	1.5	1.2	1.0	.8	.5	.1											122	122	127				
44/43	.3	.7	1.3	1.2	.4	.2	.0											94	94	133				
42/41	.2	1.0	1.5	.9	.5	.3												101	101	98				
40/39	.1	.8	1.2	1.0	.4	.3												85	85	126				
38/37		1.4	.8	.4	.4	.0												69	69	115				
36/35	.2	.7	1.1	.6	.2													64	64	93				
34/33	.3	.3	.8	.6	.0													43	43	82				
32/31	.3	.6	1.0	.2														48	48	58				
30/29	.0	.3	.7	.2														27	27	61				
28/27	.1	.2	.4	.0														17	17	40				
26/25	.0	.1	.2															8	8	27				
24/23		.2																4	4	18				
22/21			.0															1	1	4				
20/19																				1				
18/17																								
16/15																								
14/13																								
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 60 F	61-70 F	71-80 F	81-90 F	91-100 F	≥ 100 F	≥ 100 F	≥ 100 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

3405

PENSACOLA, FLORIDA

73-92

MAR

STATION

STATION NAME

YEARS

MOUTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
82/ 81						.1												3	3		
80/ 79			.0	.2	.2	.1	.0				.1	.0		.0				19	19		
78/ 77			.4	.2	.4	.0	.1	.0	.0									29	29		
76/ 75		.0	.6	.5	.3	.2	.2	.1	.1	.1								55	55	1	
74/ 73		.6	1.0	1.0	.8	.3	.2	.1	.2		.0	.0						105	105	30	5
72/ 71	.2	1.7	1.6	1.0	.5	.4	.2	.1	.2	.1								147	147	59	40
70/ 69	.0	2.5	2.1	1.2	.6	.4	.4	.3	.1	.1	.1							219	219	116	101
68/ 67	.3	3.4	3.7	1.0	.7	.7	.2	.2	.1	.2	.0							265	265	172	89
66/ 65	.4	2.5	3.7	1.2	1.2	.6	.3	.1	.3	.2								261	261	199	170
64/ 63	.2	3.3	1.9	1.5	.9	.9	.3	.4	.2	.1								239	239	207	136
62/ 61	.2	1.9	1.2	1.5	1.3	.6	.5	.4	.2									197	197	225	205
60/ 59	.0	1.7	1.1	.8	.6	.7	.4	.3	.0									141	141	170	191
58/ 57	.0	1.6	1.4	.7	.5	.4	.4	.2	.1									144	144	180	137
56/ 55		1.0	.6	.7	.8	.5	.3	.2										103	103	166	141
54/ 53	.0	.8	.8	1.1	.4	.4	.2	.1										97	97	126	114
52/ 51		1.1	.8	.6	.3	.6	.1											86	86	114	122
50/ 49	.0	.6	.8	.5	.4	.2	.0											63	63	137	107
48/ 47	.1	.4	.8	.6	.6	.3												70	70	119	108
46/ 45	.0	.4	.8	.3	.1	.1												46	46	86	95
44/ 43		.6	1.0	.5	.2													58	58	92	80
42/ 41	.0	.2	1.1	.1	.1	.0												40	40	72	98
40/ 39	.0	.6	.7	.1	.1	.0												39	39	58	71
38/ 37		.2	.3	.1	.0													17	17	65	75
36/ 35		.0	.3	.0														9	9	28	86
34/ 33		.1	.2		.0	.0												9	9	16	71
32/ 31		.1	.1		.0													7	7	11	57
30/ 29			.2		.0													6	6	11	49
28/ 27				.0														1	1	2	37
26/ 25			.1	.0														3	3	7	33
24/ 23			.0															1	1	1	22
22/ 21			.0															1	1	4	18
20/ 19																				2	6
18/ 17																					5
16/ 15																					1
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

PENSACOLA, FLORIDA

73-22

23

STATION NAME

YEARS

MONTH

PAGE 2

HOUSE (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point	
14 / 13																						
13 / 11																						
12 / 9																						
11 / 7																						
10 / 5																						
9 / 1																						
TOTAL	2.5	25.6	27.6	15.6	11.3	8.4	3.7	2.7	1.6	.6	.3	.1		.5				2480	2480	2480	2480	
		</																				

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

02-05

PENACOLA, FLORIDA

73-92

APQ

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point	
87/ 87																		1	1			
86/ 85																		3	3			
84/ 83																		11	11			
82/ 81																		23	23			
80/ 79																		62	62			
78/ 77																		125	125	7		
76/ 75																		203	203	23	8	
74/ 73																		265	265	40	27	
72/ 71																		306	306	104	55	
70/ 69																		285	285	176	77	
68/ 67																		191	191	282	134	
66/ 65																		169	169	245	197	
64/ 63																		134	134	242	204	
62/ 61																		133	133	227	201	
60/ 59																		110	110	183	211	
58/ 57																		102	102	202	151	
56/ 55																		74	74	172	162	
54/ 53																		67	67	144	134	
52/ 51																		51	51	84	167	
50/ 49																		28	28	86	115	
48/ 47																		22	22	76	111	
46/ 45																		23	23	39	103	
44/ 43																		8	8	27	85	
42/ 41																		3	3	25	68	
40/ 39																		1	1	11	51	
38/ 37																				4	31	
36/ 35																				1	37	
34/ 33																					20	
32/ 31																					19	
30/ 29																					17	
28/ 27																					4	
26/ 25																					1	
24/ 23																					1	
22/ 21																						
20/ 19																						
18/ 17																						
16/ 15																						
14/ 13																						
12/ 11																						
10/ 9																						
8/ 7																						
6/ 5																						
4/ 3																						
2/ 1																						
0/ 0																						
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

APC

MONTH

HOURS (L S Y.)

[illegible]

PSYCHROMETRIC SUMMARY

202

MONTH

PAGE 1

HOURS (L S T)

[illegible]

WINTER WEATHER VOLUME

PSYCHROMETRIC SUMMARY

PENSACOLA, FLORIDA

73-12

JUN

STATION NAME

YEARS

NONYM

PAGE 1

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

HOURS (L.S.Y)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

3015 PENSACOLA, FLORIDA

73-82

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
100 / 89																			1	1				
96 / 95									.0	.0	.0								4	4				
94 / 93							.1	.3		.1									13	13				
92 / 91						.4	1.2	.5	.4	.1	.0								66	66				
90 / 89				.3	.6	2.1	1.6	1.2	.2	.1	.0	.0							148	148				
88 / 87			.0	.4	2.7	4.2	2.4	.2	.0	.1									251	251				
86 / 85			.2	.8	4.6	3.7	.7	.3	.1		.0								257	257				
84 / 83		.1	.4	3.5	4.0	1.3	.2	.0	.0	.0									249	249	6	1		
82 / 81	.0	.4	2.4	4.3	2.1	.3	.2	.2	.1										249	249	65	7		
80 / 79		1.7	4.5	4.2	1.0	.2	.0		.0										289	289	265	42		
78 / 77		4.7	5.8	1.9	.4	.0													317	317	540	195		
76 / 75	.4	6.1	3.4	1.7	.2		.1												296	296	605	490		
74 / 73	.4	4.1	3.7	.6	.0														201	201	516	662		
72 / 71	.4	1.8	1.3	.6		.1													104	104	262	523		
70 / 69	.1	.3	.2	.0	.1														17	17	129	302		
68 / 67	.1	.1	.0	.0	.0														8	8	62	113		
66 / 65		.1	.1	.1															6	6	10	81		
64 / 63				.0															1	1	7	21		
62 / 61			.0	.1															3	3	8	15		
60 / 59																						5		
58 / 57																						2		
56 / 55																						15		
54 / 53																						2		
52 / 51																						2		
TOTAL	1.94	19.4	21.7	18.1	16.8	12.2	6.5	2.7	1.0	.4	.2	.0		.0					2430	2480	2430	2480		

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PSYCHROMETRIC SUMMARY

STATION 13-15 PENSACOLA, FLORIDA STATION NAME 73-22 YEARS SEP MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew Point	
83/ 87									.1	.2		.0						1	1			
84/ 83									.1	.2		.0						3	3			
87/ 81					.0	.1	.2	.2	.1	.1	.7		.0					20	20			
87/ 80				.0	.1	.4	1.3	.7	.3	.0	.1			.0				75	75			
88/ 87			.0	.1	.0	2.6	1.6	.2	.2	.1	.1							139	139			
86/ 85			.1	.4	2.9	1.7	.7	.5	.4	.0	.1							166	166			
87/ 83		.0	.3	3.0	2.7	1.8	.8	.3	.2	.0	.0							222	222	5	1	
87/ 81		.1	2.1	4.5	2.2	.7	.3	.3	.1	.1								259	259	12	4	
87/ 79		.7	3.9	1.8	1.2	.9	.3	.2	.2	.2								226	226	98	6	
77/ 77		2.9	3.9	1.9	1.0	.4	.6	.0	.1									262	262	372	66	
76/ 75	.1	3.5	4.0	1.7	.8	.4	.2	.0	.1	.1								281	281	429	314	
74/ 73	.1	3.7	3.8	1.2	.5	.3	.2	.1	.0	.0								243	243	396	444	
72/ 71	.1	2.5	2.4	1.0	.3	.2	.0	.1	.0									160	160	331	377	
73/ 69	.2	.9	1.6	.0	.2	.2												96	96	211	341	
67/ 67	.0	.3	.9	.7	.4	.2	.1	.0										62	62	152	207	
66/ 65	.1	.5	1.1	.6	.1	.1	.0											62	62	170	130	
64/ 63	.1	.5	.5	.1	.1	.1												33	30	83	101	
62/ 61	.0	.2	.5	.2	.0	.7												22	22	69	107	
59/ 59	.1	.2	.5	.0	.0													22	22	41	83	
57/ 57	.0		.3	.0	.1													11	11	32	57	
57/ 55		.1	.1	.1														7	7	21	51	
54/ 53		.1	.1	.2														9	9	13	26	
52/ 51		.2	.2															9	9	8	37	
50/ 49		.2	.1															7	7	15	14	
47/ 47			.0															1	1	5	11	
46/ 45																				3	17	
44/ 43																					11	
42/ 41																					5	
TOTAL	1.0	11.5	27.3	18.7	13.7	10.2	6.5	3.0	1.9	.7	.5	.0	.0					2400	2400	2400	2400	
Element (X)	Σx^2			Σx			\bar{x}			σ_x			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.	14244517			182035			75.8			13.805			2400			≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb	14547172			186010			77.5			7.373			2400					666.0	570.6	301.5	2.7	720.0
Wet Bulb	13410053			171967			71.7			6.761			2400					600.0	391.8	13.8		720.0
Dew Point	11462751			165037			68.8			6.892			2400					528.6	312.3	4.2		720.0

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PSYCHROMETRIC SUMMARY

STATION PENSACOLA, FLORIDA

73-52

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
87 / 87																		4	4					
86 / 87																		13	13					
85 / 87																		39	39					
84 / 83																		69	69					
83 / 91																		100	100	1				
82 / 79																		134	134	6				
81 / 77																		167	167	19				
80 / 75																		190	190	72				
79 / 73																		198	198	162				
78 / 71																		189	189	183				
77 / 69																		194	194	173				
76 / 67																		159	159	171				
75 / 65																		164	164	137				
74 / 63																		150	150	196				
73 / 61																		149	149	220				
72 / 59																		115	115	193				
71 / 57																		86	86	172				
70 / 55																		84	84	146				
69 / 53																		67	67	126				
68 / 51																		59	59	109				
67 / 49																		49	49	92				
66 / 47																		33	33	83				
65 / 45																		20	20	57				
64 / 43																		19	19	48				
63 / 41																		10	10	25				
62 / 39																		10	10	17				
61 / 37																		4	4	15				
60 / 35																				4				
59 / 33																					1			
58 / 31																								
57 / 29																								
56 / 27																								
TOTAL																		2480	2480	2480	2480			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	12395778		17422		58.7		16.61		248		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	11712546		16464		63.0		10.74		248				638.3	275.7	90.6		744.6							
Wet Bulb	9497539		151845		61.2		8.99		248				236.1	78.0	.6		744.6							
Dew Point	167961		139823		56.4		10.71		248				5.4	156.0	36.9	.3	744.6							

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PSYCHROMETRIC SUMMARY

STATION 03-15 PENSACOLA, FLORIDA STATION NAME 73-12 YEARS NOV MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
85 / 85										.0								1	1					
84 / 83						.7			.0									2	2					
82 / 81				.1	.0	.0			.2		.1							11	11					
80 / 79			.1	.2	.6	.2		.1	.1									33	33					
78 / 77		.0	.2	.5	.7	.1	.2	.1	.1	.0	.0							49	49	1	1			
76 / 75		.1	1.0	.8	.9	.7	.3	.0	.1	.0	.0							98	98	6	1			
74 / 73		.5	2.0	1.7	.5	.5	.3	.2	.3	.0								144	144	20	6			
72 / 71	.1	.5	2.2	1.0	1.0	.7	.5	.3	.3	.3								165	165	89	30			
70 / 69	.0	1.5	3.2	1.1	.5	.5	.2	.2	.4	.1	.0							187	187	123	69			
68 / 67	.5	2.1	2.2	.7	.5	.4	.1	.2	.1	.1								168	168	175	130			
66 / 65	.3	1.8	2.0	1.0	.7	.4	.5	.3	.1	.0								171	171	186	162			
64 / 63	.1	1.6	1.0	.7	.7	.5	.4	.2	.3									132	132	170	164			
62 / 61	.1	1.0	1.1	1.1	.8	.5	.4	.3	.1	.1								134	134	145	131			
60 / 59	.0	1.3	1.1	1.1	.6	.5	.4	.5	.1									132	132	110	115			
58 / 57		1.1	1.5	.7	.5	.5	.5	.1	.0									118	118	128	109			
56 / 55	.0	.9	1.8	1.4	.7	.5	.2	.3										141	141	118	101			
54 / 53	.0	1.0	1.7	.7	.6	.4	.2											114	114	150	111			
52 / 51	.2	.6	1.4	.8	.9	.4	.1	.0										106	106	146	106			
50 / 49	.1	.5	2.0	.4	.7	.4	.1											102	102	131	127			
48 / 47	.1	.5	.9	.7	.4	.2												68	68	123	106			
46 / 45		.7	.9	1.0	.5	.2												80	80	112	114			
44 / 43		.2	.7	.6	.5	.0												51	51	102	96			
42 / 41	.1	.2	1.0	.7	.2													53	53	78	85			
40 / 39	.0	.3	.8	.3	.1													38	38	71	89			
38 / 37	.0	.3	.3	.2														34	34	64	70			
36 / 35		.3	.7	.2														29	29	45	79			
34 / 33		.2	.3	.1														14	14	41	97			
32 / 31	.0	.3	.2	.0														14	14	28	67			
30 / 29		.2	.1															7	7	16	69			
28 / 27		.0	.0															2	2	9	50			
26 / 25		.1																2	2	5	48			
24 / 23																				2	24			
22 / 21																					24			
20 / 19																					12			
Element (X)	ΣX ²			ΣX			X̄	σ _X	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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PSYCHROMETRIC SUMMARY

PAGE 2

HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

STATION 03405 STATION NAME PENSACOLA, FLORIDA YEARS 73-82 MONTH DEC PAGE 1 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
79 / 79				.1														2	2						
78 / 77			.1	.2														8	8						
76 / 75			.2	.3					.0									14	14						
74 / 73		.5	.9	.4	.2	.1	.0											52	52	11					
72 / 71		.5	.7	.5	.6	.7												58	58	34	16				
70 / 69	.2	.6	1.5	.6	.3	.2	.0	.0										87	87	39	46				
68 / 67	.3	.6	2.6	.6	.4	.2	.3	.1	.2	.1	.1							135	135	64	34				
66 / 65	.3	1.4	2.0	1.0	.6	.7	.1	.1	.1	.1		.1						145	145	89	64				
64 / 63	.2	1.7	1.1	1.1	.4	.3	.1	.2	.3	.0								139	139	139	69				
62 / 61	.2	1.6	1.1	1.4	.9	.3	.5	.4	.2									160	160	99	126				
60 / 59	.2	1.6	1.5	.9	.5	.3	.3	.3	.0									137	137	120	101				
58 / 57	.2	1.2	1.3	.7	.6	.3	.3	.1										118	118	134	97				
56 / 55	.2	1.7	1.3	1.0	.5	.7	.3	.3	.0									149	149	115	105				
54 / 53	.1	.5	1.3	1.1	.4	.3	.3	.2										107	107	137	100				
52 / 51	.1	1.6	1.7	.9	.6	.5	.2	.1										140	140	103	109				
50 / 49	.2	1.6	1.6	1.4	.6	.2	.2											144	144	144	121				
48 / 47	.0	1.2	1.4	.9	.8	.6	.2											125	125	159	95				
46 / 45	.2	1.3	1.3	1.1	1.2	.5	.2											133	133	140	107				
44 / 43	.1	.8	1.5	1.1	.6	.2	.1											108	108	140	125				
42 / 41	.2	.4	1.8	1.0	.5	.2												102	102	110	85				
40 / 39	.1	.6	1.5	.7	.4	.7												81	81	140	91				
38 / 37	.2	.5	1.3	.6	.4	.7												75	75	115	94				
36 / 35	.2	.9	1.1	.6	.0													73	73	105	127				
34 / 33	.1	.9	1.3	.4	.1													68	68	92	95				
32 / 31	.2	.7	.9	.3	.0													52	52	86	108				
30 / 29		.4	.4	.1														23	23	64	114				
28 / 27	.1	.2	.4	.1														19	19	42	98				
26 / 25	.0	.1	.2															9	9	26	82				
24 / 23		.1	.1															4	4	13	70				
22 / 21			.1															2	2	6	61				
20 / 19		.0																1	1	4	33				
18 / 17																				1	32				
16 / 15																					34				
14 / 13																					7				
Element (X)	ΣX ²			ΣX			Σ	σ _x	No. Obs.			Mean No. of Hours with Temperature											Total		
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

1345	PENSACOLA, FLORIDA	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

PAGE 2

HOURS (L.S.T.)

[illegible]

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PSYCHROMETRIC SUMMARY

STATION 03455 STATION NAME PENSACOLA, FLORIDA YEARS 73-92 MONTH ALL

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
102/101												.0							2	2			
100/99										.0	.0	.0			.0				7	7			
98/97									.0	.0	.0	.0							12	12			
96/95								.0	.0	.0	.0	.0							18	18			
94/93							.0	.1	.1	.0	.0	.0	.0						73	73			
92/91					.0	.1	.3	.2	.1	.1	.0		.0						239	239			
90/89				.0	.1	.6	.7	.4	.1	.0	.0	.0	.0						545	545			
88/87			.0	.1	.5	1.2	.9	.2	.1	.0	.0	.0							907	907			
86/85	.0	.0	.0	.2	1.4	1.4	.4	.2	.1	.0	.0	.0	.0						1115	1115	1	1	
84/83		.0	.2	1.1	1.3	.7	.3	.1	.1	.1	.0	.0	.0						1191	1191	24	7	
82/81	.0	.1	.9	1.7	1.0	.4	.3	.1	.1	.0	.0		.0	.0					1353	1353	188	21	
80/79	.0	.4	1.6	1.6	.8	.5	.2	.2	.1	.1	.1	.0		.0					1610	1610	846	106	
78/77	.0	1.2	2.1	1.2	.8	.3	.3	.1	.1	.1	.0	.0							1804	1804	2023	564	
76/75	.1	1.5	2.0	1.3	.7	.4	.2	.2	.1	.1	.0								1911	1911	2398	1665	
74/73	.1	1.5	1.8	1.3	.5	.4	.3	.2	.2	.1	.0	.0							1860	1860	2466	2500	
72/71	.1	1.1	1.7	1.0	.6	.3	.3	.1	.1	.1	.0								1612	1612	1944	2418	
70/69	.1	1.2	1.7	.9	.5	.3	.2	.2	.1	.1	.0								1545	1545	1649	2109	
68/67	.1	1.0	1.5	.7	.4	.3	.2	.1	.1	.1	.0								1353	1353	1744	1595	
66/65	.2	1.1	1.5	.7	.4	.3	.2	.1	.1	.0									1364	1364	1506	1616	
64/63	.2	1.4	.8	.6	.4	.4	.2	.1	.1	.0	.0								1225	1225	1500	1366	
62/61	.1	1.0	.9	.7	.5	.3	.2	.1	.1	.0									1136	1136	1413	1396	
60/59	.1	.8	1.0	.5	.3	.3	.2	.1	.0										969	969	1177	1273	
58/57	.1	.7	.9	.5	.4	.2	.2	.1	.0										864	864	1156	1055	
56/55	.1	.7	.7	.5	.4	.3	.1	.1	.0										842	842	1077	1046	
54/53	.1	.5	.7	.5	.3	.2	.1	.0											691	691	1006	927	
52/51	.1	.5	.7	.4	.3	.2	.1	.0											688	688	800	937	
50/49	.1	.5	.7	.4	.3	.1	.1	.0											640	640	841	859	
48/47	.1	.4	.5	.4	.3	.1	.0												519	519	830	794	
46/45	.1	.4	.5	.4	.2	.1	.0												535	535	678	779	
44/43	.1	.3	.6	.4	.2	.1	.0												466	466	647	709	
42/41	.0	.2	.6	.3	.2	.1	.0												411	411	499	627	
40/39	.0	.3	.5	.3	.1	.1	.0												379	379	548	554	
38/37	.0	.3	.4	.2	.1	.0													290	290	486	498	
36/35	.0	.2	.4	.2	.1	.0													273	273	404	584	
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature											Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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PSYCHROMETRIC SUMMARY

PENSACOLA, FLORIDA

73-72

ALL

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L.S.T)

[illegible]

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03455

PENSACOLA, FLORIDA

73-02

STATION		YEARS												
STATION NAME														
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
10	MEAN	47.8	49.5	57.7	63.1	69.8	75.8	78.2	76.9	73.7	63.4	56.4	49.8	63.6
	S. D.	12.742	10.951	9.950	7.280	5.670	4.439	3.227	3.292	6.368	9.189	1.177	2.096	13.851
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	44.3	48.2	56.6	61.6	68.4	74.8	77.0	75.8	72.5	62.0	55.2	48.8	62.3
	S. D.	13.110	11.531	10.516	7.970	6.043	4.650	3.299	3.400	6.368	9.519	1.417	2.527	14.120
	TOTAL OBS	310	202	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	45.3	46.9	55.7	61.1	69.5	75.9	77.6	75.6	71.7	60.6	54.5	47.8	61.0
	S. D.	13.356	12.331	10.994	8.366	5.759	4.422	3.007	3.240	6.412	9.618	1.680	2.884	14.689
	TOTAL OBS	310	202	310	300	310	300	310	310	300	310	300	308	3650
	MEAN	49.9	53.5	62.9	70.3	77.7	84.3	85.3	83.9	80.3	70.8	62.4	53.6	69.6
	S. D.	11.768	11.008	8.415	6.041	4.989	3.697	4.555	4.024	5.769	7.500	9.596	10.621	14.676
	TOTAL OBS	310	202	310	300	310	300	310	310	300	310	300	309	3651
1	MEAN	55.0	59.5	67.1	73.7	80.5	87.0	87.6	86.8	84.0	76.3	67.9	59.7	73.9
	S. D.	11.200	10.266	7.416	5.361	4.641	3.772	4.859	4.162	5.417	6.862	8.782	9.281	13.292
	TOTAL OBS	310	202	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	57.1	60.5	67.2	73.8	80.2	86.3	86.8	86.4	83.8	76.7	68.2	60.6	74.0
	S. D.	11.096	9.083	6.857	4.631	4.491	3.965	4.464	3.877	4.946	5.924	7.807	8.278	12.390
	TOTAL OBS	310	202	310	300	310	300	310	310	300	310	300	309	3651
1	MEAN	51.0	55.4	63.2	69.9	76.7	82.9	83.6	82.9	79.1	69.3	60.9	54.0	69.2
	S. D.	10.725	8.585	6.676	4.243	3.900	3.295	3.756	3.346	4.775	7.200	9.341	9.744	13.281
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650
21	MEAN	49.0	51.2	59.8	65.3	72.4	78.0	79.6	78.6	75.1	65.0	57.7	51.4	65.3
	S. D.	12.003	9.955	8.606	6.128	4.548	3.669	3.254	3.169	5.920	8.683	10.724	11.354	13.521
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	308	3650
ALL HOURS	MEAN	50.4	53.1	61.3	67.3	74.4	80.6	81.9	80.9	77.5	68.0	60.4	53.2	67.5
	S. D.	12.548	11.501	9.773	8.060	6.829	6.207	5.606	5.654	7.379	10.041	11.337	11.825	14.490
	TOTAL OBS	2430	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2470	29206

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03605 PENSACOLA, FLORIDA

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	44.6	46.3	54.2	58.7	65.5	71.0	74.1	73.2	70.0	58.9	52.5	46.5	59.7	
	S. D.	13.327	1.467	0.617	7.855	6.348	4.460	2.691	3.034	6.326	9.193	1.352	2.311	13.798	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	310	3652	
01	MEAN	43.5	45.4	53.4	57.6	64.8	70.5	73.6	72.9	69.3	58.1	51.7	45.7	58.9	
	S. D.	13.664	1.820	1.059	8.331	6.474	4.755	2.734	3.225	6.339	9.457	1.464	2.627	14.093	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	309	3651	
02	MEAN	42.7	44.3	52.6	57.5	65.7	72.0	74.5	73.1	69.9	57.2	51.3	45.1	58.9	
	S. D.	13.838	2.192	1.450	8.554	6.183	4.445	2.467	3.176	6.451	9.608	1.771	2.883	14.669	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	308	3650	
03	MEAN	40.3	49.2	57.6	62.6	69.4	75.1	77.3	77.0	73.6	63.3	56.9	49.6	63.2	
	S. D.	12.856	1.596	9.704	7.148	5.511	3.763	2.517	2.850	5.458	8.030	0.353	1.209	13.653	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	309	3651	
04	MEAN	49.5	52.1	59.2	63.7	70.2	75.6	77.9	77.5	74.5	65.2	59.2	52.5	64.9	
	S. D.	12.012	0.571	8.669	6.444	5.075	3.567	2.490	2.491	4.922	7.432	9.510	0.140	12.442	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	309	3651	
05	MEAN	50.7	52.7	59.4	63.8	71.1	75.4	77.5	77.2	74.2	65.4	59.4	52.9	64.9	
	S. D.	11.321	9.736	8.068	5.949	4.830	3.470	2.380	2.521	4.543	6.966	8.936	9.554	11.937	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	309	3651	
06	MEAN	47.1	49.9	57.4	62.2	68.7	73.8	76.2	75.6	72.2	62.0	55.3	49.1	62.5	
	S. D.	12.052	9.756	8.338	5.698	4.812	3.241	2.301	2.540	5.107	7.967	0.299	0.865	12.821	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	308	3650	
07	MEAN	45.3	47.4	55.7	60.0	67.0	71.9	74.7	73.9	70.5	59.7	53.5	47.5	60.7	
	S. D.	12.394	0.679	9.739	7.132	5.545	3.986	2.463	2.789	6.078	8.852	1.095	1.841	13.406	
	TOTAL OBS	310	242	310	300	310	300	310	310	300	310	300	308	3650	
ALL HOURS	MEAN	46.1	48.4	56.2	60.8	67.7	73.1	75.7	75.0	71.7	61.2	55.0	48.6	61.7	
	S. D.	13.002	1.365	0.063	7.602	5.978	4.425	2.957	3.392	6.061	8.991	1.046	1.798	13.585	
	TOTAL OBS	2440	2256	2480	2400	2430	2400	2480	2480	2400	2480	2400	2470	29206	

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03-45 PENSACOLA, FLORIDA

73-72

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
1	MEAN	40.0	42.3	50.9	55.3	62.7	68.6	72.3	71.6	68.1	55.5	48.7	42.4	56.6	
	S. D.	16.345	13.772	12.821	9.419	7.704	5.270	2.958	3.546	6.983	13.608	13.201	14.545	15.678	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
2	MEAN	39.3	41.9	50.2	54.4	62.5	68.4	72.1	71.5	67.6	55.2	48.4	42.0	56.7	
	S. D.	16.417	13.378	12.988	9.756	7.614	5.357	2.945	3.663	6.923	13.577	13.022	14.637	15.733	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
3	MEAN	38.7	40.9	49.6	54.6	63.4	70.0	73.2	71.9	67.5	54.5	48.2	41.7	56.3	
	S. D.	16.362	14.062	13.355	9.873	7.297	5.117	2.659	3.662	6.981	13.616	13.230	14.594	16.210	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650	
4	MEAN	41.4	44.2	52.7	56.9	64.7	70.8	74.0	74.2	70.4	58.1	52.0	45.1	58.8	
	S. D.	16.425	14.647	13.246	10.482	7.916	5.290	2.789	3.391	6.576	13.349	13.250	13.848	15.701	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
5	MEAN	42.0	44.2	52.4	56.5	64.4	70.4	73.9	73.6	70.0	57.8	51.9	45.0	58.6	
	S. D.	16.640	14.571	13.189	10.487	8.109	5.526	3.111	3.469	6.866	13.009	13.676	14.520	15.748	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
6	MEAN	41.0	44.6	52.6	56.7	64.5	70.4	73.8	73.4	69.7	57.6	51.7	44.4	58.5	
	S. D.	16.442	14.293	12.634	10.015	7.738	5.314	2.767	3.435	6.483	13.010	13.573	14.547	15.570	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
7	MEAN	40.7	43.6	52.0	56.4	64.1	69.6	73.2	72.5	68.7	56.6	50.1	43.2	57.6	
	S. D.	16.746	13.819	12.472	9.192	7.417	4.927	2.570	3.463	6.653	13.535	13.464	14.641	15.551	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650	
8	MEAN	40.2	43.0	51.4	55.9	63.7	68.9	72.6	71.8	68.1	55.7	49.4	42.9	57.1	
	S. D.	16.578	13.377	12.514	9.313	7.328	5.146	2.701	3.475	7.079	13.535	13.288	14.551	15.469	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650	
ALL HOURS	MEAN	40.6	43.1	51.5	55.8	63.8	69.6	73.1	72.6	68.8	56.4	50.0	43.4	57.5	
	S. D.	16.547	14.089	12.926	9.856	7.669	5.309	2.896	3.638	6.891	13.717	13.405	14.525	15.730	
	TOTAL OBS	2400	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2470	29206	

NAVWEASERVCOM

RELATIVE HUMIDITY

334

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0	100.0	100.0	100.0	98.7	91.4	79.4	66.5	45.2	15.6	75.7	310
	1	100.0	100.0	100.0	98.4	94.5	85.2	68.7	49.7	21.0	77.8	310
	2	100.0	100.0	100.0	100.0	95.7	86.1	71.0	51.9	21.9	78.9	310
	3	100.0	100.0	99.7	96.8	88.7	76.1	60.6	42.6	20.0	74.4	310
	4	100.0	99.4	94.2	82.6	66.7	54.2	39.4	24.5	6.8	62.7	310
	5	100.0	98.7	87.4	78.4	64.2	51.6	41.0	24.8	6.8	60.9	310
	6	100.0	100.0	98.1	89.4	78.7	64.5	49.0	35.5	10.3	68.1	310
	7	100.0	100.0	100.0	95.6	88.4	74.5	58.4	39.7	17.4	73.2	310
TOTALS		100.0	92.8	97.4	92.5	83.8	71.5	56.7	39.3	15.0	71.5	2410

OCEANAV-SMOS

RELATIVE HUMIDITY

77-0-1

452

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	1	100.0	100.0	100.0	98.9	95.7	86.5	70.9	46.6	17.6	77.3	212
FEB.	1	100.0	100.0	100.0	99.3	96.5	89.4	77.7	53.5	14.9	79.4	282
MAR.	1	100.0	100.0	100.0	99.5	97.0	90.8	79.4	56.7	14.9	80.3	287
APR.	1	100.0	100.0	100.0	96.8	90.1	74.5	55.3	36.2	12.1	72.2	282
MAY	10	100.0	99.6	94.7	83.0	63.6	43.3	33.3	20.0	4.3	55.7	282
JUN.	1	100.0	99.3	91.1	79.4	61.7	44.3	33.3	21.3	3.5	58.6	282
JULY	10	100.0	100.0	96.9	90.1	71.9	62.6	46.1	27.7	5.7	66.7	282
AUG.	1	100.0	100.0	100.0	98.6	91.1	83.3	64.2	41.1	2.0	74.8	282
SEPT.												
OCT.												
NOV.												
DEC.												
TOTALS		100.0	99.9	97.7	93.2	84.4	71.0	57.4	37.9	10.1	71.2	2256

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12-65 PANAMA, FLORIDA

73-52

1-84

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-84	10	100.0	100.0	100.0	98.7	94.7	90.0	76.8	55.5	14.5	78.8	310
	11	100.0	100.0	100.0	99.7	95.7	91.0	79.4	59.0	17.4	80.2	310
	12	100.0	100.0	100.0	99.7	96.5	92.2	81.3	60.0	16.8	80.8	310
	13	100.0	100.0	99.7	93.2	83.7	73.5	54.5	39.7	13.5	71.6	310
	14	100.0	99.7	92.6	82.6	72.4	53.5	38.1	22.3	5.9	62.3	310
	15	100.0	99.0	92.6	82.6	70.4	55.2	39.4	21.2	5.2	62.7	310
	1	100.0	100.0	97.4	92.6	81.3	69.7	54.8	34.5	7.4	69.3	310
	2	100.0	100.0	99.4	97.7	92.6	83.9	69.4	48.4	11.9	76.3	310
TOTALS		100.0	99.8	97.6	93.4	85.0	76.3	61.7	42.9	11.4	72.8	2400

OCEANAV-SMOS

RELATIVE HUMIDITY

12

STATION	STATION NAME	PERIOD	MONTH
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OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

3-55 4001A, FLORIDA

73-2

MAY

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	100.0	99.7	93.2	82.6	59.0	17.3	79.2	310
	01	100.0	100.0	100.0	100.0	99.7	97.1	87.7	61.0	16.5	91.8	310
	02	100.0	100.0	100.0	100.0	99.7	94.8	88.4	65.5	18.4	82.6	310
	03	100.0	100.0	100.0	93.5	85.2	67.7	37.7	13.9	3.3	65.6	310
	04	100.0	100.0	96.5	88.1	76.1	49.7	22.9	9.0	1.3	59.9	310
	05	100.0	99.7	97.1	90.3	79.7	55.2	23.9	9.0	1.3	61.0	310
	06	100.0	100.0	98.4	94.5	86.5	71.6	44.5	14.5	3.9	66.7	310
	07	100.0	100.0	100.0	99.4	96.5	89.7	68.7	34.2	6.1	74.9	310
	08											
	09											
	10											
	11											
	12											
TOTALS		100.0	100.0	99.0	95.7	90.2	77.4	57.1	32.1	7.4	71.5	2491

OCEANAV-SMOS

RELATIVE HUMIDITY

73-42

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	00	100.0	100.0	100.0	100.0	99.7	97.0	87.7	43.0	4.7	78.7	300
	01	100.0	100.0	100.0	100.0	100.0	98.3	91.7	55.3	5.7	80.7	300
	02	100.0	100.0	100.0	100.0	100.0	98.7	93.7	61.3	15.3	82.4	300
	03	100.0	100.0	100.0	99.0	90.0	67.7	22.3	9.7	3.7	64.8	300
	04	100.0	100.0	99.3	92.0	78.3	51.0	12.0	2.7	1.0	59.0	300
	05	100.0	100.0	98.3	95.3	87.7	50.7	14.3	4.3	1.0	60.2	300
	06	100.0	100.0	99.3	97.3	92.3	71.0	29.0	7.0	1.0	65.2	300
	07	100.0	100.0	100.0	100.0	98.0	93.3	71.0	25.3	3.0	74.4	300
TOTALS		100.0	100.0	99.6	98.0	92.4	78.5	52.7	26.1	4.4	70.7	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

03450 PENSACOLA, FLORIDA

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	100.0	100.0	98.1	63.5	9.7	82.6	310
	01	100.0	100.0	100.0	100.0	100.0	100.0	99.0	79.4	20.0	85.3	310
	02	100.0	100.0	100.0	100.0	100.0	99.7	99.7	85.2	30.0	86.8	310
	03	100.0	100.0	100.0	100.0	98.1	84.6	38.1	15.5	6.1	69.9	310
	04	100.0	100.0	100.0	98.7	91.5	66.1	24.2	10.3	4.5	65.0	310
	05	100.0	100.0	100.0	99.4	96.1	71.0	24.5	9.7	3.2	66.1	310
	06	100.0	100.0	100.0	100.0	99.4	94.2	46.1	16.5	3.5	71.5	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	90.0	37.4	9.4	79.4	310
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
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	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
	TOTALS	100.0	100.0	100.0	99.8	98.0	89.5	65.0	39.7	10.7	75.8	2440

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

03555 PENSACOLA, FLORIDA

73-92

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	100.0	99.7	99.0	96.1	71.9	10.4	84.2	310
	01	100.0	100.0	100.0	100.0	100.0	99.7	97.7	79.0	35.5	86.9	310
	02	100.0	100.0	100.0	100.0	100.0	100.0	98.4	87.7	45.8	88.8	310
	03	100.0	100.0	100.0	100.0	99.0	91.3	57.1	20.3	6.0	73.3	310
	04	100.0	100.0	100.0	99.0	92.0	70.3	26.7	10.0	4.0	65.9	310
	05	100.0	100.0	99.7	98.7	94.9	75.5	25.8	6.8	3.5	66.1	310
	06	100.0	100.0	100.0	99.4	98.1	92.3	50.6	15.2	4.8	71.7	310
	07	100.0	100.0	100.0	100.0	99.4	97.4	41.3	49.0	9.0	80.2	310
	08											
	09											
	10											
	11											
	12											
	13											
	14											
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	23											
	24											
	TOTALS	100.0	100.0	100.0	99.6	98.0	90.7	68.2	42.5	16.2	77.1	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13445 PENSACOLA, FLORIDA

73-80

CFP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
12	00	100.0	100.0	100.0	100.0	100.0	98.7	92.7	66.7	16.3	83.0	300
	01	100.0	100.0	100.0	100.0	99.7	99.7	95.0	75.3	21.7	85.0	300
	02	100.0	100.0	100.0	100.0	100.0	100.0	97.7	83.0	29.3	86.9	300
	03	100.0	100.0	100.0	99.7	97.0	88.0	57.0	23.3	7.3	72.8	300
	04	100.0	100.0	99.3	94.3	84.0	63.0	31.7	12.0	4.3	64.3	300
	05	100.0	100.0	99.7	94.0	85.3	64.0	30.3	10.0	2.7	64.0	300
	06	100.0	100.0	100.0	99.7	94.7	83.7	55.3	27.7	3.0	71.4	300
	07	100.0	100.0	100.0	100.0	99.3	96.3	84.7	50.0	9.7	79.5	300
	08											
	09											
	10											
	11											
	12											
TOTALS		100.0	100.0	99.9	98.5	95.0	86.7	68.1	42.6	11.8	75.9	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

3255 PENSACOLA, FLORIDA

73-8

OCT

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	99.7	96.5	86.8	74.2	42.9	5.5	76.5	310
	02	100.0	100.0	100.0	100.0	99.0	93.9	80.3	49.7	11.0	79.2	310
	03	100.0	100.0	100.0	100.0	99.4	95.8	84.8	58.4	14.2	81.0	310
	04	100.0	100.0	100.0	97.7	82.9	64.2	39.4	16.5	3.5	65.7	310
	05	100.0	100.0	94.5	75.8	58.7	36.8	19.4	7.1	0.3	55.0	310
	06	100.0	100.0	90.6	74.2	56.5	39.0	19.1	7.1	1.6	54.2	310
	07	100.0	100.0	100.0	96.1	84.3	66.5	36.5	12.9	2.6	65.3	310
	08	100.0	100.0	100.0	99.4	95.5	84.2	63.9	29.7	2.9	72.8	310
TOTALS		100.0	100.0	98.1	92.9	84.2	70.9	52.1	27.9	5.5	68.7	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1965 SEAFACOLA, FLORIDA

73-12

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.3	95.7	85.7	72.3	44.3	10.7	76.6	300
	02	100.0	100.0	100.0	99.7	97.3	90.3	79.7	46.3	11.7	78.7	300
	03	100.0	100.0	100.0	100.0	99.0	92.3	81.3	52.3	11.0	79.9	300
	04	100.0	100.0	99.7	98.0	85.7	68.7	53.3	32.0	8.7	70.5	300
	05	100.0	100.0	93.7	79.3	66.3	48.7	32.3	16.0	3.0	59.1	300
	06	100.0	99.3	89.7	77.3	62.7	49.7	31.3	17.3	1.7	58.6	300
	07	100.0	100.0	99.7	97.3	84.7	69.3	50.7	29.7	2.7	68.9	300
	08	100.0	100.0	100.0	99.3	94.0	85.7	65.0	40.0	7.3	74.9	300
	09											
	10											
	11											
	12											
TOTALS		100.0	99.9	97.9	93.6	85.6	73.8	58.2	34.7	7.1	70.9	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

3-55 PENSACOLA, FLORIDA

73-40

OFC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	10	100.0	100.0	100.0	99.7	94.2	86.1	70.9	43.4	13.6	76.7	309
	20	100.0	100.0	100.0	99.7	96.0	90.3	72.8	50.2	12.6	78.3	309
	30	100.0	100.0	100.0	100.0	98.4	91.9	79.5	53.2	15.6	80.0	308
	40	100.0	100.0	100.0	98.7	92.0	79.6	63.8	39.2	9.1	74.1	309
	10	100.0	100.0	93.5	80.3	67.3	53.7	36.9	18.1	3.6	61.1	300
	20	100.0	99.7	90.3	75.4	62.0	49.5	35.6	19.4	3.6	59.3	309
	30	100.0	100.0	99.7	93.6	81.9	69.8	45.8	30.2	7.1	68.4	308
	40	100.0	100.0	100.0	98.1	91.2	82.1	60.4	38.3	8.8	73.8	308
TOTALS		100.0	100.0	97.9	93.2	85.6	75.4	58.2	36.5	9.3	71.5	2469

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

02 65 PENSACOLA, FLORIDA

13-32

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.8	97.4	92.5	83.5	71.5	56.7	39.3	19.0	71.5	2490
FEB		100.0	99.9	97.7	93.2	84.4	71.8	57.4	37.9	17.1	71.2	2256
MAR		100.0	99.8	97.6	93.4	85.0	76.3	61.7	42.9	11.6	72.6	2490
APR		100.0	99.3	97.9	92.7	83.9	71.7	54.0	29.6	4.1	68.9	2400
MAY		100.0	100.0	99.0	95.7	90.0	77.4	57.1	32.1	7.4	71.5	2490
JUN		100.0	100.0	99.6	98.0	92.4	78.5	52.7	26.1	4.4	70.7	2400
JUL		100.0	100.0	100.0	99.8	98.0	89.0	65.0	39.7	10.7	75.6	2490
AUG		100.0	100.0	100.0	99.6	98.0	90.7	68.2	42.5	16.2	77.1	2490
SEP		100.0	100.0	99.9	98.5	95.0	86.7	66.1	42.6	11.8	75.9	2400
OCT		100.0	100.0	98.1	92.9	84.0	70.9	52.1	27.9	5.5	68.7	2430
NOV		100.0	99.9	97.9	93.8	85.6	73.8	58.2	34.7	7.1	70.9	2400
DEC		100.0	100.0	97.9	93.2	85.6	75.4	58.2	36.5	9.3	71.5	2469
TOTALS		100.0	99.9	98.6	95.3	88.9	77.9	59.1	36.0	9.4	72.2	29205

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

PANAMA, FLORIDA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JANUARY

MONTH

ALL

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	3.2		3.2	12.9	38.7	32.3	3.2	6.5		31	1.7
67 TO 71	6.3	1.1	2.1	19.6	45.5	13.2	6.3	3.2	2.6	189	7.6
62 TO 66	4.4	1.5	9.9	29.3	25.4	12.8	6.6	4.4	3.7	476	16.4
57 TO 61	11.0	7.4	18.4	19.4	18.7	5.8	9.0	6.5	3.9	310	12.5
52 TO 56	19.7	13.0	23.9	10.9	7.4	4.9	9.2	7.4	3.5	284	11.4
47 TO 51	32.0	14.5	21.6	5.7	3.2	4.6	4.3	7.8	5.7	247	11.4
42 TO 46	4.2	15.3	21.2	1.7	2.0	2.0	5.5	12.3	2.0	293	11.4
37 TO 41	49.0	19.3	12.9	1.1		.3	3.0	12.3	1.1	213	10.6
32 TO 36	70.4	20.9	17.3			.4	.9	15.3	2.1	234	9.4
27 TO 31	46.9	29.9	5.1		.7		2.2	10.2	2.7	137	5.5
22 TO 26	5.1	5.6					8.3	6.3	2.4	36	1.5
17 TO 21	2.5	37.5									.3
12 TO 16	6.7							17.7	16.7	5	.2
7 TO 11	170.0									1	.7
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LOWER											
TOTALS	7.3	12.0	14.4	11.1	11.0	5.7	5.9	5.5	7.1	2420	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

3 S
STATION

FT. LAUDERDALE, FLORIDA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

FEBRUARY

MONTH

ALL

HOURS PER DAY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81				16.7	16.7	16.7				5	.7
72 TO 76	10.9		3.6	12.7	25.5	30.9	12.7	3.6		55	2.4
67 TO 71	6.8	.9	3.6	15.0	10.0	24.5	14.5	1.8	2.7	220	9.8
62 TO 66	5.7	2.4	6.3	19.3	17.1	21.1	12.0	3.3	2.7	337	14.7
57 TO 61	12.3	3.9	12.3	17.0	15.4	11.2	18.7	7.8	1.4	358	15.9
52 TO 56	23.3	6.4	17.3	9.9	7.7	7.7	13.7	12.1	1.9	313	13.9
47 TO 51	11.1	11.4	17.3	5.2	4.2	3.8	8.0	13.1	5.9	289	12.8
42 TO 46	17.3	13.3	12.9	1.5	1.9	.5	7.6	16.7	3.5	263	11.7
37 TO 41	1.3	26.0	15.4	.5	1.0	1.4	5.8	7.2	1.4	208	9.2
32 TO 36	45.7	33.9	9.4				2.4	3.9	4.7	127	5.6
27 TO 31	56.9	30.6	2.9					4.2	5.6	77	3.3
22 TO 26	15.5	53.8							7.7	13	.6
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	23.7	11.1	11.5	9.6	12.1	9.6	10.9	8.3	2.9	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION NAME

PERIOD

MONTH

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86						100.0					.1
77 TO 81	4.1	2.0	2.0	3.2	26.5	42.9	8.2	6.1		46	3.2
72 TO 76	3.1	.9	1.3	13.4	43.8	25.9	9.4	1.9	.4	224	9.7
67 TO 71	3.7	1.4	4.9	28.4	32.5	13.2	10.9	2.6	2.3	567	22.9
62 TO 66	9.4	3.0	10.3	31.3	19.5	8.9	9.3	5.4	2.9	594	24.0
57 TO 61	17.0	11.9	17.8	16.2	10.3	7.7	8.8	6.2	2.1	384	15.6
52 TO 56	30.6	17.6	15.9	5.7	6.1	2.0	6.5	12.2	3.3	245	9.9
47 TO 51	43.1	17.8	10.3	1.1	2.9	2.9	5.2	12.1	4.6	174	7.0
42 TO 46	32.5	19.2	9.2	2.5	2.5	4.2	6.7	17.5	5.8	120	4.8
37 TO 41	40.0	23.8	7.5	3.6	1.3	2.5	5.0	11.3	5.0	60	2.2
32 TO 36	49.1	13.0	4.5		9.1		9.1	4.5		22	.9
27 TO 31	50.0	20.0					15.0	10.0	10.0	10	.4
22 TO 26	50.0							40.0		5	.2
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	15.4	7.7	9.6	18.5	19.2	10.3	8.7	6.9	2.7	2460	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

ATLANTA, FLORIDA

STATION NAME

JANUARY 1973-DECEMBER 1992

YEARS

APRIL

MONTH

ALL

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				100.0						1	.0
82 TO 86	10.0		5.0	10.0	20.0	40.0	10.0	5.0		20	.8
77 TO 81	7.8	1.0	4.4	13.2	39.7	21.1	7.8	3.9	1.0	204	8.5
72 TO 76	6.7	1.3	3.1	20.7	39.0	16.6	8.6	3.0	1.0	602	25.3
67 TO 71	7.5	2.8	6.4	26.5	26.9	12.1	10.1	4.0	3.6	642	26.8
62 TO 66	18.5	12.6	14.0	11.8	11.6	5.1	10.8	9.9	5.6	372	15.5
57 TO 61	3.3	14.1	10.9	5.8	4.3	3.3	8.0	12.3	9.0	276	11.5
52 TO 56	7.9	28.5	11.6	1.2	2.9	2.9	7.0	12.8	5.2	172	7.7
47 TO 51	35.7	22.9	5.7	2.9	5.7		7.1	11.4	8.6	70	2.9
42 TO 46	1.5	18.2	3.0					15.2	12.1	33	1.4
37 TO 41	10.0	50.0								0	.1
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.0	7.8	7.4	16.3	23.3	11.0	8.9	6.6	3.9	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME
AGL 4, FLORIDA

PERIOD
JANUARY 1973-DECEMBER 1982

MONTH
MAY

ALL

STATION

STATION NAME

PERIOD

MONTH

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	25.0			25.0	25.0	25.0				4	0.2
87 TO 91	5.1	2.0	6.1	12.2	44.9	16.3	8.2	2.0	2.0	49	2.5
82 TO 86	5.5	3.2	3.5	14.2	34.8	24.2	9.7	3.5	1.0	310	12.5
77 TO 81	4.3	2.1	4.6	15.7	34.7	23.5	12.3	1.9	.6	625	25.2
72 TO 76	7.7	4.4	4.4	16.5	25.7	15.1	17.0	4.9	4.3	728	29.4
67 TO 71	20.4	11.0	9.7	9.2	9.9	6.4	11.0	9.0	12.5	455	18.3
62 TO 66	37.6	19.8	7.4	1.5	1.0	2.0	8.9	8.9	12.9	202	8.1
57 TO 61	39.5	34.2	5.3	1.3	1.3	1.3	6.6	6.6	3.9	76	3.1
52 TO 56	34.6	38.5				3.8	3.8	15.4	3.8	26	1.0
47 TO 51	30.0	50.0								4	0.2
42 TO 46	10.0									1	0.0
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.7	7.6	5.6	12.7	23.5	15.2	12.5	5.2	5.1	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION NAME
MIA, FLORIDA

PERIOD
JANUARY 1973-DECEMBER 1992

MONTH
JUNE

ALL

STATION

STATION NAME

PERIOD

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				59.0	10.0					2	.1
92 TO 96	7.0	2.3	4.7	7.0	16.3	37.2	16.3	9.3		43	1.8
87 TO 91	5.9	3.7	2.5	6.2	31.4	33.9	13.1	2.7	.5	424	16.8
82 TO 86	5.7	2.4	3.4	9.8	29.1	24.3	20.7	4.0	.6	671	26.7
77 TO 81	9.0	4.2	6.2	4.7	20.1	15.6	24.3	9.3	7.3	646	26.9
72 TO 76	25.7	14.3	9.6	3.9	4.5	6.3	13.8	9.8	12.3	444	18.7
67 TO 71	28.2	24.2	6.0	2.0	1.3	2.7	8.1	11.4	16.1	149	6.7
62 TO 66	43.8	37.5					6.3	9.4	3.1	32	1.3
57 TO 61	19.0	20.0						20.0		5	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	12.4	7.2	5.3	5.9	20.1	18.7	18.0	7.0	5.5	2400	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

7
STATION

VENICE, FLORIDA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JULY

MONTH

ALL

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							50.0	50.0		0	.1
97 TO 101	20.0				10.0	26.7	13.3	20.0		15	.6
92 TO 96	17.3	2.5	4.9	6.6	24.7	24.7	8.6	8.6		91	3.3
87 TO 91	8.5	1.8	2.6	10.3	26.7	29.4	14.6	5.3	.8	454	19.9
82 TO 86	5.9	1.7	4.5	9.0	19.4	22.5	26.0	7.4	3.6	645	26.0
77 TO 81	11.5	7.5	9.9	7.1	10.1	10.8	20.4	10.7	11.9	764	31.6
72 TO 76	11.8	13.8	8.2	2.3	2.1	5.4	11.0	15.7	19.7	427	17.2
67 TO 71	1.9	12.5	3.1		3.1		18.6	12.5	28.1	32	1.3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.6	5.8	6.5	7.3	14.9	17.0	18.7	9.7	8.6	2480	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

3-5 5
STATION

DELAWARE, FLORIDA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

AUGUST
MONTH

ALL
HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	170.0									1	.0
92 TO 96	11.5	5.8		9.6	32.7	26.9	7.7	5.6		52	2.1
87 TO 91	5.8	3.7	4.4	16.5	32.6	25.6	6.7	4.0	1.2	430	17.3
82 TO 86	5.5	3.9	12.6	17.9	23.5	15.7	13.8	2.8	4.2	637	25.7
77 TO 81	11.9	10.6	18.8	9.4	8.1	8.7	12.0	8.1	13.0	724	29.2
72 TO 76	11.2	21.4	13.8	3.2	3.9	1.6	6.0	7.8	21.1	565	22.8
67 TO 71	36.1	34.4	4.9	1.6	1.6			4.9	16.4	61	2.5
62 TO 66	75.0	12.5							12.5	9	.3
57 TO 61	50.0								50.0	2	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	12.2	10.5	12.7	11.2	15.7	11.8	9.8	5.8	10.4	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

PENSACOLA, FLORIDA

STATION NAME

JANUARY 1973-DECEMBER 1982 SEPTEMBER

YEARS

MONTH

ALL HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				100.0						1	.0
92 TO 96	11.8	5.9	11.8	29.4	23.5	5.9	5.9	5.9		17	.7
87 TO 91	4.0	1.8	8.9	17.8	40.4	18.2	5.8	2.2	.9	225	9.4
82 TO 86	6.7	4.4	10.7	17.2	30.0	16.8	9.5	3.4	1.3	524	21.8
77 TO 81	10.0	7.2	23.4	14.9	14.6	8.5	12.8	5.1	3.6	611	25.5
72 TO 76	23.4	20.3	26.5	2.6	4.3	1.5	2.8	8.5	10.1	611	25.5
67 TO 71	40.7	29.9	17.3	.9	.4	.0	1.3	3.5	5.2	231	9.6
62 TO 66	43.0	35.0	10.0				2.0	10.0		100	4.2
57 TO 61	16.0	23.4					2.1	6.4	2.1	47	2.0
52 TO 56	55.0	20.0						10.0	5.0	20	.8
47 TO 51	69.2	23.1						7.7		17	.5
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.3	13.3	18.0	10.2	15.3	8.0	6.9	5.5	4.5	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

385
STATION

PANAMA, FLORIDA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

OCTOBER
MONTH

ALL
HOURS U.S.F.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	9.1		9.1	4.5	31.8	4.5	18.2	22.7		22	.9
82 TO 86	11.0	.6	10.4	23.9	27.6	17.8	6.7	1.2	.6	163	6.6
77 TO 81	8.1	5.9	11.8	26.3	26.3	10.4	6.6	3.8	.9	346	14.0
72 TO 76	12.5	9.0	21.1	23.8	15.6	6.2	6.4	2.9	2.5	487	19.6
67 TO 71	23.0	12.9	29.1	9.0	4.5	2.3	8.8	5.4	5.0	443	17.9
62 TO 66	29.3	17.6	25.9	1.8	1.0	1.0	3.3	6.5	4.5	397	16.0
57 TO 61	20.6	24.7	12.7	.7	.7	.4	3.0	4.5	2.6	267	10.8
52 TO 56	20.5	30.2	8.8	.5	.5		1.1	5.5	2.7	182	7.3
47 TO 51	56.4	30.0	10.0			.9	.9	.9	.9	110	4.4
42 TO 46	21.4	19.0	2.4					7.1		42	1.7
37 TO 41	61.9	33.3						4.8		21	.8
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 A LWP											
TOTALS	28.0	14.6	18.4	12.0	9.9	4.5	5.3	4.5	2.8	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

STATION NAME

YEARS

MONTH

HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	25.0	12.5			12.5					9	.7
77 TO 81	6.8		10.2	25.0	44.3	11.4	1.1	1.1		28	3.7
72 TO 76	5.1	1.8	9.4	32.5	35.6	7.6	4.6	1.5	.9	329	13.7
67 TO 71	7.9	6.2	19.6	29.3	18.5	8.5	5.8	3.0	1.2	433	18.0
62 TO 66	15.9	9.3	34.4	10.1	9.8	4.2	6.3	7.9	2.1	375	15.8
57 TO 61	11.7	16.8	24.6	3.2	3.2	2.3	5.8	8.7	3.6	309	12.9
52 TO 56	34.0	22.3	20.4	2.5	1.6	1.9	3.8	9.4	3.5	316	13.3
47 TO 51	18.0	27.7	16.4	.9	.5	.9	2.8	10.3	2.3	213	8.9
42 TO 46	44.8	26.7	6.1	.6	.6	1.2	2.4	15.2	2.4	165	6.9
37 TO 41	52.7	11.9	3.3				1.1	8.8	2.2	91	3.8
32 TO 36	57.1	28.6	2.0				2.0	6.1	4.1	49	2.0
27 TO 31	29.4	58.8	5.9						5.9	17	.7
22 TO 26	50.0	50.0								7	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	23.6	14.5	18.6	13.1	12.3	4.4	4.5	6.8	2.2	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

TEMPALOLA, FLORIDA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

DECEMBER

MONTH

ALL

HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81				50.0	40.0	10.0				10	.4
72 TO 76	2.3		1.2	32.6	34.9	18.6	10.5			86	3.5
67 TO 71	3.5	1.9	5.0	28.8	27.7	20.4	8.8	3.5	.4	260	10.5
62 TO 66	6.2	4.3	14.1	22.4	20.3	14.1	11.9	4.9	1.9	370	15.0
57 TO 61	21.9	9.4	24.6	14.6	8.2	4.9	7.0	7.3	2.1	329	13.3
52 TO 56	25.9	15.2	32.3	6.4	2.7	2.4	2.7	10.7	1.5	328	13.3
47 TO 51	34.4	16.9	23.4	3.0	1.8	2.7	6.2	10.4	1.2	337	13.6
42 TO 46	2.9	20.6	14.2	1.0	1.4	1.4	3.0	13.5	2.0	296	12.0
37 TO 41	5.7	19.2	10.3				3.9	9.9	.5	203	8.2
32 TO 36	4.6	23.5	7.8	1.2	1.8		1.8	7.2	1.3	156	6.7
27 TO 31	2.2	34.8	7.2					5.8		69	2.8
22 TO 26	6.7	26.7	6.7							15	.6
17 TO 21	10.0									1	.0
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	27.7	13.2	16.8	11.1	9.3	6.5	6.0	8.0	1.4	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

STATION NAME

YEARS

MONTH

HOURS L.S.T.

TEMP.	WIND DIRECTION									TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM		
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							50.0	50.0		2	.0
97 TO 101	1.1			17.5	21.1	21.1	10.5	15.8		19	.1
92 TO 96	13.2	3.6	4.1	10.7	24.9	26.4	9.6	7.6		197	.7
87 TO 91	6.5	2.6	4.1	12.0	31.9	27.3	10.8	4.0	.5	1625	5.6
82 TO 86	6.2	2.9	7.3	13.9	26.5	20.5	16.4	4.2	2.2	2980	10.2
77 TO 81	9.1	5.9	11.9	11.9	19.7	13.6	14.7	6.6	6.5	4097	14.0
72 TO 76	14.5	10.0	11.1	13.0	18.4	9.5	9.1	6.3	8.1	4599	15.7
67 TO 71	13.6	8.2	11.0	18.8	19.9	10.0	8.9	4.6	5.1	3682	12.6
62 TO 66	16.5	9.7	15.2	17.0	14.7	8.5	8.6	6.4	3.9	3191	10.9
57 TO 61	25.6	13.1	16.7	11.0	8.7	5.2	8.7	7.9	3.3	2367	8.1
52 TO 56	29.7	18.0	19.5	5.7	4.2	3.3	6.4	10.2	3.0	1888	6.5
47 TO 51	37.0	18.4	17.3	3.2	2.5	2.7	5.2	9.9	3.8	1492	5.1
42 TO 46	41.1	19.3	13.3	1.3	1.6	1.6	4.7	14.3	2.9	1213	4.2
37 TO 41	48.6	22.9	11.1	.3	.3	.9	3.8	10.0	1.5	868	3.0
32 TO 36	51.5	24.7	8.5	.3	.8	.2	1.8	9.4	2.7	528	2.0
27 TO 31	50.5	32.5	4.9		.3		1.3	7.2	3.3	305	1.0
22 TO 26	64.6	19.7	1.4				4.2	7.0	2.9	71	.2
17 TO 21	6.7	13.3								9	.0
12 TO 16	6.7							16.7	16.7	6	.0
7 TO 11	10.0									1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19.0	10.4	12.1	11.6	15.6	10.2	9.7	6.9	4.4	2926	100.0

NAVWEASERVCOM

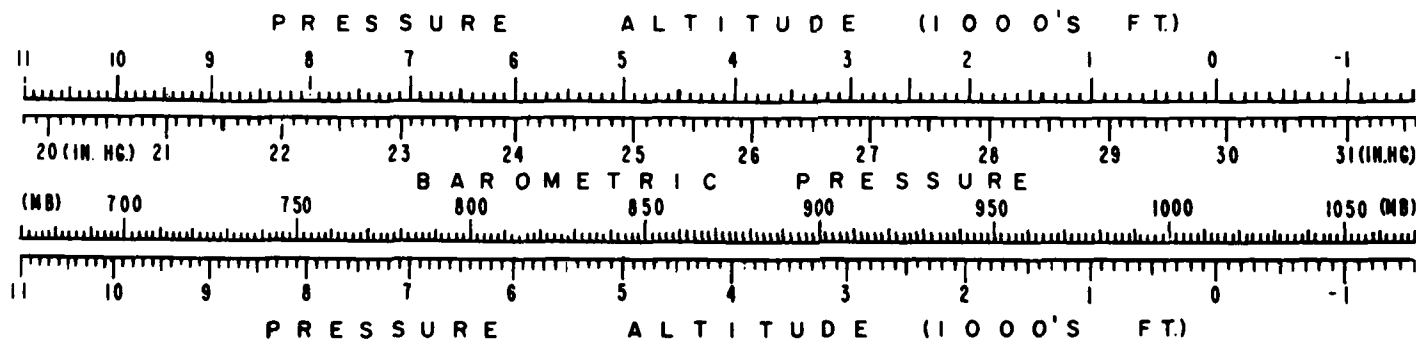
NOCN, Federal Building
Asheville, N. C.

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

03-5 PENSACOLA, FLORIDA

73-72

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	30.106	30.094	30.006	30.011	29.929	29.967	29.986	29.992	29.951	30.027	30.075	30.101	30.030	
	S. D.	.144	.166	.141	.144	.100	.080	.070	.065	.094	.109	.130	.165	.141	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	310	3652	
01	MEAN	30.073	30.079	29.984	29.990	29.912	29.950	29.966	29.972	29.936	30.015	30.064	30.091	30.004	
	S. D.	.146	.168	.143	.145	.109	.079	.070	.063	.092	.112	.133	.166	.144	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651	
02	MEAN	30.110	30.101	30.014	30.024	29.944	29.980	29.998	30.002	29.960	30.044	30.094	30.101	30.030	
	S. D.	.146	.169	.162	.151	.112	.081	.072	.066	.098	.115	.137	.171	.143	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	308	3650	
03	MEAN	30.157	30.140	30.051	30.056	29.971	30.003	30.025	30.031	29.989	30.076	30.120	30.143	30.063	
	S. D.	.148	.170	.164	.155	.113	.081	.074	.068	.095	.116	.140	.170	.147	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651	
1	MEAN	30.122	30.118	30.035	30.040	29.957	29.992	30.014	30.017	29.970	30.043	30.082	30.106	30.041	
	S. D.	.147	.156	.162	.154	.113	.082	.073	.069	.091	.114	.135	.165	.142	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651	
1	MEAN	30.076	30.061	29.985	29.994	29.918	29.953	29.973	29.971	29.924	29.999	30.040	30.064	29.996	
	S. D.	.143	.162	.162	.151	.111	.081	.073	.068	.090	.110	.130	.159	.138	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651	
1	MEAN	30.095	30.072	29.984	29.989	29.916	29.943	29.965	29.967	29.927	30.009	30.057	30.094	29.999	
	S. D.	.143	.160	.161	.147	.117	.080	.071	.066	.095	.109	.131	.158	.141	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	308	3650	
1	MEAN	30.117	30.098	30.011	30.017	29.937	29.973	29.994	30.002	29.962	30.040	30.083	30.106	30.028	
	S. D.	.147	.163	.159	.146	.117	.079	.071	.065	.096	.110	.135	.159	.141	
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	308	3650	
ALL HOURS	MEAN	30.110	30.096	30.009	30.015	29.934	29.970	29.990	29.994	29.952	30.032	30.076	30.100	30.023	
	S. D.	.147	.167	.163	.151	.112	.083	.074	.070	.094	.114	.136	.165	.144	
	TOTAL OBS	2440	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2470	29276	

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

3-45 PENSACOLA, FLORIDA

73-42

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		
	MEAN	JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
	S. D.	
	TOTAL OBS	
	MEAN	1020.6 020.2 017.2 017.4 014.6 015.9 016.6 016.8 015.4 018.0 019.6 020.5 1017.7
	S. D.	6.231 5.635 5.449 4.887 3.611 2.689 2.330 2.165 3.188 3.686 4.412 5.578 4.779
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 310 3652
	MEAN	1020.4 019.7 016.5 016.7 014.1 015.3 015.9 016.1 014.8 017.6 019.2 020.1 1017.2
	S. D.	6.287 5.666 5.522 4.915 3.691 2.640 2.330 2.149 3.131 3.806 4.496 5.616 4.860
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 309 3651
	MEAN	1020.8 020.5 017.5 017.9 015.2 016.4 017.0 017.1 015.7 018.5 019.9 020.5 1018.1
	S. D.	6.308 5.736 5.494 5.115 3.795 2.703 2.411 2.209 3.309 3.884 4.637 5.793 4.853
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 308 3650
	MEAN	1022.4 021.8 018.8 018.9 016.1 017.1 017.9 018.1 016.7 019.6 021.1 021.9 1019.2
	S. D.	6.370 5.745 5.544 5.231 3.830 2.720 2.451 2.276 3.214 3.918 4.722 5.750 4.967
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 309 3651
	MEAN	1021.2 021.1 018.2 018.4 015.6 016.8 017.5 017.6 016.0 018.5 019.8 020.6 1018.4
	S. D.	6.323 5.598 5.477 5.214 3.828 2.752 2.462 2.324 3.049 3.868 4.580 5.577 4.800
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 309 3651
	MEAN	1019.6 019.1 016.5 016.8 014.2 015.5 016.1 016.1 014.5 017.0 018.4 019.2 1016.4
	S. D.	6.161 5.483 5.485 5.093 3.768 2.725 2.423 2.252 3.063 3.737 4.392 5.382 4.687
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 309 3651
	MEAN	1020.3 019.5 016.5 016.7 013.9 015.1 015.9 015.9 014.6 017.4 019.0 019.9 1017.0
	S. D.	6.206 5.413 5.464 4.980 3.614 2.675 2.358 2.199 3.224 3.678 4.415 5.332 4.785
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 308 3650
	MEAN	1021.0 020.4 017.4 017.6 014.9 016.1 016.8 017.1 015.8 018.4 019.9 020.6 1018.0
	S. D.	6.211 5.541 5.363 4.955 3.678 2.662 2.377 2.163 3.246 3.695 4.558 5.386 4.771
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 308 3650
ALL HOURS	MEAN	1020.8 020.3 017.3 017.6 014.8 016.0 016.7 016.9 015.4 018.1 019.6 020.4 1017.8
	S. D.	6.314 5.654 5.526 5.101 3.772 2.774 2.493 2.332 3.259 3.857 4.582 5.592 4.867
	TOTAL OBS	2430 2256 2480 2400 2460 2400 2480 2480 2400 2480 2400 2470 29206

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END

DATE

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